

Inductors for high frequency circuits Multilayer ceramic MLG series (for automotive)











MLG1005S type













FEATURES

- O Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high-frequency.
- Operating temperature range: -55 to +125°C

APPLICATION

- Outcome and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and other high frequency modules, Bluetooth, W-LAN, UWB, tuners and tuners are the second modules. quency circuits for the mobile communication industry
- O Application guides: Car Infotainment

PART NUMBER CONSTRUCTION

M	LG	1005		S		0N3		В		T		D25	
		LxWxH di	mensions	Product	internal	Induc	ctance	Induc	tance				
Series	name	LxWxH dimensions 1.0x0.5x0.5 mm		code		(nH)		tolerance		Packaging style		Interna	l code





■ CHARACTERISTICS SPECIFICATION TABLE

0.3 ±0.2nH — 100 10.0 20up 0.10 0.01 1000 MLG100SSONASTD22 0.4 ±0.2nH — 100 10.0 20up 0.10 0.01 1000 MLG100SSONASTD22 0.5 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SSONSONETD22 0.6 ±0.2nH — 100 10.0 20up 0.10 0.01 1000 MLG100SSONSONETD22 0.6 ±0.2nH — 100 10.0 20up 0.10 0.01 1000 MLG100SSONNETD22 0.7 ±0.2nH — 100 10.0 20up 0.10 0.01 1000 MLG100SSONNETD22 0.7 ±0.2nH — 100 10.0 18.7 0.10 0.02 1000 MLG100SSONNETD22 0.7 ±0.2nH — 100 10.0 18.4 0.10 0.02 1000 MLG100SSSONBETD22 0.8 ±0.1nH	L		Q	L, Q measuring frequency	Self-reson	ant	DC resist	tance	Rated current	Part No.*
0.3 ±0.2nH — 100 10.0 20up 0.10 0.01 1000 MLG100SS0N4CTD2: 0.4 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SS0N4CTD2: 0.5 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SS0N6CTD2: 0.5 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SS0N6CTD2: 0.6 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SS0N6CTD2: 0.6 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SS0N6CTD2: 0.6 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SS0N8CTD2: 0.7 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SS0N8CTD2: 0.7 ±0.1nH — 100 10.0 18.7 0.10 0.02 1000 MLG100SS0N8CTD2: 0.7 ±0.1nH — 100 10.0 18.7 0.10 0.02 1000 MLG100SS0N8CTD2: 0.8 ±0.1nH — 100 10.0 18.7 0.10 0.02 1000 MLG100SS0N8CTD2: 0.8 ±0.1nH — 100 10.0 16.4 0.10 0.02 1000 MLG100SS0N8CTD2: 0.8 ±0.1nH — 100 10.0 16.4 0.10 0.02 1000 MLG100SS0N8CTD2: 0.9 ±0.1nH — 100 10.0 16.4 0.10 0.02 1000 MLG100SS0N8CTD2: 0.9 ±0.1nH — 100 10.0 17.7 0.10 0.04 1000 MLG100SS0N8CTD2: 0.9 ±0.1nH — 100 10.0 17.7 0.10 0.04 1000 MLG100SS0N8CTD2: 0.9 ±0.1nH — 100 10.0 17.7 0.10 0.04 1000 MLG100SS0N8CTD2: 1.0 ±0.1nH 7 100 10.0 13.8 0.10 0.04 1000 MLG100SS0N8CTD2: 1.0 ±0.1nH 7 100 10.0 13.8 0.10 0.04 1000 MLG100SSNNSCTD2: 1.1 ±0.1nH 7 100 10.0 13.8 0.10 0.04 1000 MLG100SSNNSCTD2: 1.1 ±0.1nH 7 100 10.0 13.8 0.10 0.04 1000 MLG100SSNNSCTD2: 1.1 ±0.1nH 7 100 10.0 19.3 0.10 0.03 1000 MLG100SSINNSTD2: 1.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG100SSINNSTD2: 1.1 ±0.3nH 7 100 10.0 19.3 0.10 0.03 1000 MLG100SSINNSTD2: 1.2 ±0.2nH 7 100 10.0 19.3 0.10 0.04 1000 MLG100SSINNSTD2: 1.2 ±0.2nH 7 100 10.0 19.3 0.10 0.04 1000 MLG100SSINNSTD2: 1.3 ±0.1nH 7 100 10.0 19.3 0.10 0.04 1000 MLG100SSINNSTD2: 1.5 ±0.3nH 7 100 10.0 11.6 0.10 0.04 1000 MLG100SSINNSTD2: 1.5 ±0.3nH 7 100 10.0 10.0 11.6 0.10 0.04 1000 MLG100SSINNSTD2: 1.5 ±0.3nH 7 100 10.0 10.0 11.6 0.10 0.04 1000 MLG100SSINNSTD2: 1.5 ±0.3nH 7 100 10.0 10.0 11.6 0.10 0.04 1000 MLG100SSINNSTD2: 1.5 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG100SSINNSTD2: 1.5 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG100SSINNSTD2: 1.6 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG100SSINNSTD2: 1.6 ±0.3nH 7 100 8.00 10	(nH)	Tolerance	min.	(MHz)	(GHz)min.	(GHz)typ.	(Ω)max.	(Ω)typ.	(mA)max.	
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0.5 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SSONSBTD02 0.6 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SSONSBTD02 0.6 ±0.1nH — 100 10.0 20up 0.10 0.01 1000 MLG100SSONSBTD02 0.6 ±0.2nH — 100 10.0 20up 0.10 0.01 1000 MLG100SSONSBTD02 0.7 ±0.1nH — 100 10.0 18.7 0.10 0.02 1000 MLG100SSONSBTD02 0.7 ±0.2nH — 100 10.0 18.7 0.10 0.02 1000 MLG100SSONSBTD02 0.8 ±0.2nH — 100 10.0 18.7 0.10 0.02 1000 MLG100SSONSBTD02 0.8 ±0.2nH — 100 10.0 16.4 0.10 0.02 1000 MLG100SSONSBTD02 0.8 ±0.2nH — 100 10.0 16.4 0.10 0.02 1000 MLG100SSONSBTD02 0.8 ±0.2nH — 100 10.0 16.4 0.10 0.02 1000 MLG100SSONSBTD02 0.9 ±0.1nH — 100 10.0 17.7 0.10 0.04 1000 MLG100SSONSBTD02 0.9 ±0.2nH — 100 10.0 17.7 0.10 0.04 1000 MLG100SSONSBTD02 1.0 ±0.2nH 7 100 10.0 13.8 0.10 0.04 1000 MLG100SSONSBTD02 1.0 ±0.3nH 7 100 10.0 13.8 0.10 0.04 1000 MLG100SSONSBTD02 1.1 ±0.2nH 7 100 10.0 13.8 0.10 0.04 1000 MLG100SSINSBTD02 1.1 ±0.3nH 7 100 10.0 13.8 0.10 0.04 1000 MLG100SSINSBTD02 1.1 ±0.3nH 7 100 10.0 19.3 0.10 0.03 1000 MLG100SSINSBTD02 1.1 ±0.3nH 7 100 10.0 19.3 0.10 0.03 1000 MLG100SSINSBTD02 1.1 ±0.3nH 7 100 10.0 19.3 0.10 0.03 1000 MLG100SSINSBTD02 1.1 ±0.3nH 7 100 10.0 19.3 0.10 0.03 1000 MLG100SSINSBTD02 1.1 ±0.3nH 7 100 10.0 10.0 19.3 0.10 0.03 1000 MLG100SSINSBTD02 1.1 ±0.3nH 7 100 10.0 10.0 19.3 0.10 0.04 1000 MLG100SSINSBTD02 1.1 ±0.3nH 7 100 10.0 10.0 19.3 0.10 0.04 1000 MLG100SSINSBTD02 1.2 ±0.3nH 7 100 10.0 10.0 11.6 0.10 0.04 1000 MLG100SSINSBTD02 1.2 ±0.3nH 7 100 10.0 10.0 11.6 0.10 0.04 1000 MLG100SSINSBTD02 1.2 ±0.3nH 7 100 10.0 10.0 11.6 0.10 0.04 1000 MLG100SSINSBTD02 1.2 ±0.3nH 7 100 10.0 10.0 11.6 0.10 0.04 1000 MLG100SSINSBTD02 1.2 ±0.3nH 7 100 10.0 10.0 11.6 0.10 0.04 1000 MLG100SSINSBTD02 1.5 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG100SSINSBTD02 1.5 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG100SSINSBTD02 1.5 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG100SSINSBTD02 1.5 ±0.2nH 7 100 8.00 10.7 0.0 8.0 0.0 10.0 0.04 1000 MLG100SSINSBTD02 1.5 ±0.2nH 7 100 8.00 10.7 0.0 8.0 0.0 0.0 0.04 1000 MLG100SSINSBTD02 1.5 ±0.2nH 7 100 8.00 10.3 0.15 0.0	0.4	±0.1nH	_	100	10.0	20up	0.10	0.01	1000	MLG1005S0N4BTD25
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0.8 ±0.1nH — 100 10.0 16.4 0.10 0.02 1000 MLG1005S0N8BTD22 0.9 ±0.1nH — 100 10.0 17.7 0.10 0.04 1000 MLG1005S0N8BTD22 0.9 ±0.1nH — 100 10.0 17.7 0.10 0.04 1000 MLG1005S0N8CTD22 0.9 ±0.2nH — 100 10.0 17.7 0.10 0.04 1000 MLG1005S0NSCTD22 0.9 ±0.2nH — 100 10.0 17.7 0.10 0.04 1000 MLG1005S0NSCTD22 0.9 ±0.2nH — 100 10.0 12.7 0.10 0.04 1000 MLG1005S0NSCTD22 0.9 ±0.2nH 7 100 10.0 13.8 0.10 0.04 1000 MLG1005S1NOSTD22 0.1 ±0.2nH 7 100 10.0 13.8 0.10 0.04 1000 MLG1005S1NOSTD22 0.1 ±0.2nH 7 100 10.0 13.8 0.10 0.04 1000 MLG1005S1NOSTD22 0.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1NSTD22 0.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1NSTD22 0.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N1STD22 0.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N1STD22 0.1 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N1STD22 0.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2STD22 0.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2STD22 0.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N2STD22 0.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N2STD22 0.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N2STD22 0.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NSTD22 0.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NSTD22 0.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NSTD22 0.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NSTD22 0.3 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NSTD22 0.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NSTD22 0.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NSTD22 0.5 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1NSTD22 0.5 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1NSTD22 0.5 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1NSTD22 0.5 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1NSTD22 0.5 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1NSTD22 0.5 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1NSTD22 0.5 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1NSTD22 0.5 ±0.2nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2NSTD22 0.5 ±0.2nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2NSTD22 0.5 ±0.2nH 7	0.7	±0.1nH	_	100		18.7	0.10	0.02		MLG1005S0N7BTD25
0.8 ±0.2nH — 100 10.0 16.4 0.10 0.02 1000 MLG1005S0N8CTD2: 0.9 ±0.1nH — 100 10.0 17.7 0.10 0.04 1000 MLG1005S0N8CTD2: 0.9 ±0.2nH — 100 10.0 17.7 0.10 0.04 1000 MLG1005S0N8CTD2: 1.0 ±0.1nH 7 100 10.0 13.8 0.10 0.04 1000 MLG1005S1NBTD2: 1.0 ±0.2nH 7 100 10.0 13.8 0.10 0.04 1000 MLG1005S1NBTD2: 1.0 ±0.2nH 7 100 10.0 13.8 0.10 0.04 1000 MLG1005S1NBCTD2: 1.0 ±0.3nH 7 100 10.0 13.8 0.10 0.04 1000 MLG1005S1NBCTD2: 1.1 ±0.1nH 7 100 10.0 13.8 0.10 0.04 1000 MLG1005S1NBTD2: 1.1 ±0.1nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1NBTD2: 1.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1NBTD2: 1.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1NBTD2: 1.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1NBTD2: 1.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1NBTD2: 1.1 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1NBTD2: 1.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1NBTD2: 1.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1NBCTD2: 1.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1NBCTD2: 1.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1NBCTD2: 1.3 ±0.3nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1NBCTD2: 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NBCTD2: 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NBCTD2: 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NBCTD2: 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NBCTD2: 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NBCTD2: 1.3 ±0.3nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NBCTD2: 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NBCTD2: 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NBCTD2: 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NBCTD2: 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NBCTD2: 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NBCTD2: 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NBCTD2: 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NBCTD2: 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 900 MLG1005S1NBCTD2: 1.5 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1NBCTD2: 1.5 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1NBCTD2: 1.	0.7	±0.2nH	_	100	10.0	18.7	0.10	0.02		MLG1005S0N7CTD25
0.9 ±0.1nH	0.8	±0.1nH	_	100			0.10	0.02	1000	MLG1005S0N8BTD25
0.9 ±0.2nH — 100 10.0 17.7 0.10 0.04 1000 MLG1005S0N9CTD28 1.0 ±0.1nH 7 100 10.0 13.8 0.10 0.04 1000 MLG1005S1N0BTD28 1.0 ±0.3nH 7 100 10.0 13.8 0.10 0.04 1000 MLG1005S1N0STD28 1.1 ±0.1nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N1BTD28 1.1 ±0.1nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N1BTD28 1.1 ±0.3nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N1BTD28 1.1 ±0.3nH 7 100 10.0 11.6 0.10 0.03 1000 MLG1005S1N2BTD28 1.2 ±0.1nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2BTD28 1.2 ±0.3nH		±0.2nH	_		10.0		0.10			MLG1005S0N8CTD25
1.0		±0.1nH	_	100	10.0		0.10	0.04		MLG1005S0N9BTD25
1.0 ±0.2nH 7 100 10.0 13.8 0.10 0.04 1000 MLG100SS1N0CTD28 1.0 ±0.3nH 7 100 10.0 13.8 0.10 0.04 1000 MLG100SS1NISTD28 1.1 ±0.1nH 7 100 10.0 19.3 0.10 0.03 1000 MLG100SS1NISTD28 1.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG100SS1NISTD25 1.1 ±0.3nH 7 100 10.0 19.3 0.10 0.03 1000 MLG100SS1NISTD25 1.2 ±0.1nH 7 100 10.0 11.6 0.10 0.04 1000 MLG100SS1NISTD26 1.2 ±0.3nH 7 100 10.0 11.6 0.10 0.04 1000 MLG100SS1NISTD25 1.2 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG100SS1NISTD25 1.3 ±0.2nH	0.9	±0.2nH	_	100	10.0	17.7	0.10	0.04	1000	MLG1005S0N9CTD25
1.0	1.0	±0.1nH			10.0	13.8	0.10	0.04		MLG1005S1N0BTD25
1.1 ±0.1nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N1BTD26 1.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N1CTD26 1.1 ±0.3nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N2BTD26 1.2 ±0.1nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2BTD26 1.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2BTD26 1.2 ±0.3nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2BTD26 1.2 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD26 1.3 ±0.1nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NSBTD26 1.3 ±0.3nH	1.0	±0.2nH		100	10.0	13.8	0.10	0.04		MLG1005S1N0CTD25
1.1 ±0.2nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N1CTD28 1.1 ±0.3nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N1STD28 1.2 ±0.1nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2STD28 1.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2STD28 1.2 ±0.3nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2STD28 1.3 ±0.1nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3STD25 1.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NSBTD25 1.5 ±0.1nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NSBTD25 1.5 ±0.2nH	1.0	±0.3nH			10.0	13.8	0.10	0.04		MLG1005S1N0STD25
1.1 ±0.3nH 7 100 10.0 19.3 0.10 0.03 1000 MLG1005S1N1STD25 1.2 ±0.1nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2BTD25 1.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2BTD25 1.2 ±0.3nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2BTD25 1.3 ±0.1nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD25 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD25 1.5 ±0.1nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD25 1.5 ±0.1nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NBSTD25 1.5 ±0.2nH		±0.1nH		100			0.10	0.03		MLG1005S1N1BTD25
1.2 ±0.1nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2BTD25 1.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2CTD25 1.2 ±0.3nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N3BTD25 1.3 ±0.1nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD25 1.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD25 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD25 1.5 ±0.1nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5BTD25 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NSBTD25 1.5 ±0.3nH	1.1	±0.2nH	7	100	10.0	19.3	0.10	0.03	1000	MLG1005S1N1CTD25
1.2 ±0.2nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2CTD25 1.2 ±0.3nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2STD25 1.3 ±0.1nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD25 1.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD25 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD25 1.5 ±0.1nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5BTD25 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5BTD25 1.5 ±0.3nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N6BTD25 1.6 ±0.1nH <	1.1	±0.3nH	7	100	10.0		0.10	0.03	1000	MLG1005S1N1STD25
1.2 ±0.3nH 7 100 10.0 11.6 0.10 0.04 1000 MLG1005S1N2STD25 1.3 ±0.1nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD25 1.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3GTD25 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3GTD25 1.5 ±0.1nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5GTD25 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5GTD25 1.6 ±0.3nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5GTD25 1.6 ±0.1nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6GTD25 1.6 ±0.3nH <t< td=""><td>1.2</td><td>±0.1nH</td><td>7</td><td>100</td><td>10.0</td><td>11.6</td><td>0.10</td><td>0.04</td><td>1000</td><td>MLG1005S1N2BTD25</td></t<>	1.2	±0.1nH	7	100	10.0	11.6	0.10	0.04	1000	MLG1005S1N2BTD25
1.3 ±0.1nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3BTD26 1.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3CTD26 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1NSTD26 1.5 ±0.1nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NSCTD26 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NSCTD26 1.5 ±0.3nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1NSCTD26 1.6 ±0.1nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1NSCTD26 1.6 ±0.2nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1NSCTD26 1.8 ±0.1nH	1.2	±0.2nH		100	10.0		0.10	0.04	1000	
1.3 ±0.2nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3CTD28 1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3STD28 1.5 ±0.1nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5GTD28 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5GTD28 1.5 ±0.3nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5GTD28 1.6 ±0.1nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6GTD28 1.6 ±0.2nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6GTD28 1.6 ±0.2nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N8GTD28 1.8 ±0.1nH	1.2	±0.3nH	7	100	10.0	11.6	0.10	0.04	1000	MLG1005S1N2STD25
1.3 ±0.3nH 7 100 8.00 11.7 0.10 0.04 1000 MLG1005S1N3STD26 1.5 ±0.1nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5BTD26 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5CTD26 1.5 ±0.3nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5CTD26 1.6 ±0.1nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6GTD26 1.6 ±0.2nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6GTD26 1.6 ±0.3nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6GTD26 1.8 ±0.1nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8GTD26 1.8 ±0.2nH 7	1.3	±0.1nH	7	100	8.00	11.7	0.10	0.04	1000	MLG1005S1N3BTD25
1.5 ±0.1nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5BTD25 1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5CTD25 1.5 ±0.3nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5STD25 1.6 ±0.1nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6GTD25 1.6 ±0.2nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6GTD25 1.6 ±0.3nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6GTD25 1.8 ±0.1nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8GTD25 1.8 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8GTD25 2.0 ±0.1nH 7<	1.3	±0.2nH	7	100	8.00	11.7	0.10	0.04	1000	MLG1005S1N3CTD25
1.5 ±0.2nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5CTD26 1.5 ±0.3nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5STD26 1.6 ±0.1nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6GTD26 1.6 ±0.2nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6CTD26 1.6 ±0.3nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6CTD26 1.8 ±0.1nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8GTD26 1.8 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 1.8 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 2.0 ±0.1nH 7<		±0.3nH			8.00	11.7	0.10			MLG1005S1N3STD25
1.5 ±0.3nH 7 100 8.00 9.6 0.10 0.06 1000 MLG1005S1N5STD26 1.6 ±0.1nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6BTD26 1.6 ±0.2nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6CTD26 1.6 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8GTD26 1.8 ±0.1nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8GTD26 1.8 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8GTD26 1.8 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8GTD26 2.0 ±0.1nH 7 100 7.50 9.3 0.15 0.06 900 MLG1005S2N0GTD26 2.0 ±0.2nH 7 </td <td>1.5</td> <td>±0.1nH</td> <td>7</td> <td>100</td> <td>8.00</td> <td>9.6</td> <td>0.10</td> <td>0.06</td> <td>1000</td> <td>MLG1005S1N5BTD25</td>	1.5	±0.1nH	7	100	8.00	9.6	0.10	0.06	1000	MLG1005S1N5BTD25
1.6 ±0.1nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6BTD26 1.6 ±0.2nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6CTD26 1.6 ±0.3nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6STD26 1.8 ±0.1nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 1.8 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 1.8 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 2.0 ±0.1nH 7 100 7.50 9.3 0.15 0.06 900 MLG1005S2N0BTD26 2.0 ±0.2nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD26 2.0 ±0.3nH 7 <td></td> <td>±0.2nH</td> <td></td> <td></td> <td>8.00</td> <td>9.6</td> <td>0.10</td> <td>0.06</td> <td></td> <td>MLG1005S1N5CTD25</td>		±0.2nH			8.00	9.6	0.10	0.06		MLG1005S1N5CTD25
1.6 ±0.2nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6CTD26 1.6 ±0.3nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6STD26 1.8 ±0.1nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 1.8 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 1.8 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 2.0 ±0.1nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 2.0 ±0.1nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD26 2.0 ±0.2nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD26 2.2 ±0.1nH 7 <td>1.5</td> <td>±0.3nH</td> <td>7</td> <td>100</td> <td>8.00</td> <td>9.6</td> <td>0.10</td> <td>0.06</td> <td>1000</td> <td>MLG1005S1N5STD25</td>	1.5	±0.3nH	7	100	8.00	9.6	0.10	0.06	1000	MLG1005S1N5STD25
1.6 ±0.3nH 7 100 7.50 9.4 0.12 0.05 1000 MLG1005S1N6STD25 1.8 ±0.1nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8BTD25 1.8 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD25 1.8 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8STD25 2.0 ±0.1nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0BTD25 2.0 ±0.2nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD25 2.0 ±0.3nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD25 2.2 ±0.1nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0STD25 2.2 ±0.1nH 7	1.6	±0.1nH	7	100	7.50	9.4	0.12	0.05	1000	MLG1005S1N6BTD25
1.8 ±0.1nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8BTD26 1.8 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 1.8 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8STD26 2.0 ±0.1nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0BTD26 2.0 ±0.2nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD26 2.0 ±0.3nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD26 2.2 ±0.1nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0STD26 2.2 ±0.1nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD26 2.2 ±0.3nH 7	1.6	±0.2nH		100	7.50	9.4	0.12	0.05	1000	MLG1005S1N6CTD25
1.8 ±0.2nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8CTD26 1.8 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8STD26 2.0 ±0.1nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0BTD26 2.0 ±0.2nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD26 2.0 ±0.3nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0STD26 2.2 ±0.1nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD26 2.2 ±0.2nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD26 2.2 ±0.3nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2STD26 2.4 ±0.1nH 7	1.6	±0.3nH	7	100	7.50	9.4	0.12	0.05	1000	MLG1005S1N6STD25
1.8 ±0.3nH 7 100 8.00 10.3 0.15 0.06 900 MLG1005S1N8STD26 2.0 ±0.1nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0BTD26 2.0 ±0.2nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD26 2.0 ±0.3nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0STD26 2.2 ±0.1nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD26 2.2 ±0.2nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD26 2.2 ±0.3nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2STD26 2.4 ±0.1nH 7 100 7.00 8.2 0.15 0.08 800 MLG1005S2N4BTD26	1.8	±0.1nH	7	100	8.00	10.3	0.15	0.06	900	MLG1005S1N8BTD25
2.0 ±0.1nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0BTD25 2.0 ±0.2nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD25 2.0 ±0.3nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0STD25 2.2 ±0.1nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD25 2.2 ±0.2nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD25 2.2 ±0.3nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2STD25 2.4 ±0.1nH 7 100 7.00 8.2 0.15 0.08 800 MLG1005S2N4BTD25	1.8	±0.2nH	7		8.00	10.3	0.15	0.06	900	MLG1005S1N8CTD25
2.0 ±0.2nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0CTD26 2.0 ±0.3nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0STD26 2.2 ±0.1nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2ETD26 2.2 ±0.2nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD26 2.2 ±0.3nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2STD26 2.4 ±0.1nH 7 100 7.00 8.2 0.15 0.08 800 MLG1005S2N4BTD26	1.8	±0.3nH		100	8.00	10.3	0.15	0.06	900	MLG1005S1N8STD25
2.0 ±0.3nH 7 100 7.50 9.3 0.15 0.07 900 MLG1005S2N0STD26 2.2 ±0.1nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2BTD26 2.2 ±0.2nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD26 2.2 ±0.3nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2STD26 2.4 ±0.1nH 7 100 7.00 8.2 0.15 0.08 800 MLG1005S2N4BTD26	2.0	±0.1nH	7		7.50	9.3	0.15	0.07	900	MLG1005S2N0BTD25
2.2 ±0.1nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2BTD26 2.2 ±0.2nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD26 2.2 ±0.3nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2STD26 2.4 ±0.1nH 7 100 7.00 8.2 0.15 0.08 800 MLG1005S2N4BTD26	2.0	±0.2nH		100	7.50	9.3	0.15	0.07	900	MLG1005S2N0CTD25
2.2 ±0.2nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2CTD28 2.2 ±0.3nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2STD28 2.4 ±0.1nH 7 100 7.00 8.2 0.15 0.08 800 MLG1005S2N4BTD28		±0.3nH								MLG1005S2N0STD25
2.2 ±0.3nH 7 100 7.00 8.6 0.15 0.08 900 MLG1005S2N2STD28 2.4 ±0.1nH 7 100 7.00 8.2 0.15 0.08 800 MLG1005S2N4BTD28		±0.1nH				8.6	0.15			MLG1005S2N2BTD25
2.4 ±0.1nH 7 100 7.00 8.2 0.15 0.08 800 <u>MLG1005S2N4BTD25</u>	2.2	±0.2nH		100	7.00	8.6	0.15	0.08	900	MLG1005S2N2CTD25
	2.2	±0.3nH		100	7.00	8.6	0.15	0.08	900	MLG1005S2N2STD25
0.4		±0.1nH			7.00	8.2	0.15	0.08	800	MLG1005S2N4BTD25
	2.4	±0.2nH	7	100	7.00	8.2	0.15	0.08	800	MLG1005S2N4CTD25
2.4 ±0.3nH 7 100 7.00 8.2 0.15 0.08 800 <u>MLG1005S2N4STD25</u>	2.4	±0.3nH	7	100	7.00	8.2	0.15	0.08	800	MLG1005S2N4STD25

^{*} Please contact us for information on inductance tolerance, G (±2%).

Measurement item	Product No.	Manufacturer
L, Q	4291B +16193A	Keysight Technologies
Self-resonant frequency	8720C	Keysight Technologies
DC resistance	Type-7561	Yokogawa

^{*} Equivalent measurement equipment may be used.



■ CHARACTERISTICS SPECIFICATION TABLE

L		Q	L, Q measuring frequency	Self-reson	ant	DC resist	tance	Rated current	Part No.*
(nH)	Tolerance	min.	(MHz)	(GHz)min.	(GHz)typ.	(Ω)max.	(Ω)typ.	(mA)max.	
2.7	±0.1nH	7	100	6.00	7.3	0.15	0.08	800	MLG1005S2N7BTD25
2.7	±0.2nH	7	100	6.00	7.3	0.15	0.08	800	MLG1005S2N7CTD25
2.7	±0.3nH	7	100	6.00	7.3	0.15	0.08	800	MLG1005S2N7STD25
3.0	±0.1nH	7	100	5.50	6.8	0.20	0.09	800	MLG1005S3N0BTD25
3.0	±0.2nH	7	100	5.50	6.8	0.20	0.09	800	MLG1005S3N0CTD25
3.0	±0.3nH	7	100	5.50	6.8	0.20	0.09	800	MLG1005S3N0STD25
3.3	±0.1nH	8	100	5.00	6.1	0.20	0.09	800	MLG1005S3N3BTD25
3.3	±0.2nH	8	100	5.00	6.1	0.20	0.09	800	MLG1005S3N3CTD25
3.3	±0.3nH	8	100	5.00	6.1	0.20	0.09	800	MLG1005S3N3STD25
3.6	±0.1nH	8	100	5.00	6.7	0.20	0.09	700	MLG1005S3N6BTD25
3.6	±0.2nH	8	100	5.00	6.7	0.20	0.09	700	MLG1005S3N6CTD25
3.6	±0.3nH	8	100	5.00	6.7	0.20	0.09	700	MLG1005S3N6STD25
3.9	±0.1nH	8	100	5.00	6.5	0.20	0.11	700	MLG1005S3N9BTD25
3.9	±0.2nH	8	100	5.00	6.5	0.20	0.11	700	MLG1005S3N9CTD25
3.9	±0.3nH	8	100	5.00	6.5	0.20	0.11	700	MLG1005S3N9STD25
4.3	±0.2nH	8	100	4.50	6.0	0.20	0.11	700	MLG1005S4N3CTD25
4.3	±0.3nH	8	100	4.50	6.0	0.20	0.11	700	MLG1005S4N3STD25
4.7	±0.2nH	8	100	4.50	5.4	0.25	0.12	700	MLG1005S4N7CTD25
4.7	±0.3nH	8	100	4.50	5.4	0.25	0.12	700	MLG1005S4N7STD25
5.1	±0.2nH	8	100	4.00	5.0	0.25	0.13	600	MLG1005S5N1CTD25
5.1	±0.3nH	8	100	4.00	5.0	0.25	0.13	600	MLG1005S5N1STD25
5.6	±0.2nH	8	100	4.00	5.3	0.25	0.14	600	MLG1005S5N6CTD25
5.6	±0.3nH	8	100	4.00	5.3	0.25	0.14	600	MLG1005S5N6STD25
6.2	±3%	8	100	4.00	4.7	0.25	0.16	600	MLG1005S6N2HTD25
6.2	±0.3nH	8	100	4.00	4.7	0.25	0.16	600	MLG1005S6N2STD25
6.8	±3%	8	100	3.50	4.4	0.25	0.15	600	MLG1005S6N8HTD25
6.8	±5%	8	100	3.50	4.4	0.25	0.15	600	MLG1005S6N8JTD25
7.5	±3%	8	100	3.00	4.1	0.25	0.15	500	MLG1005S7N5HTD25
7.5	±5%	8	100	3.00	4.1	0.25	0.15	500	MLG1005S7N5JTD25
8.2	±3%	8	100	3.00	4.0	0.30	0.19	500	MLG1005S8N2HTD25
8.2	±5%	8	100	3.00	4.0	0.30	0.19	500	MLG1005S8N2JTD25
9.1	±3%	8	100	3.00	3.8	0.30	0.20	500	MLG1005S9N1HTD25
9.1	±5%	8	100	3.00	3.8	0.30	0.20	500	MLG1005S9N1JTD25
10	±3%	8	100	2.50	3.4	0.35	0.22	500	MLG1005S10NHTD25
10	±5%	8	100	2.50	3.4	0.35	0.22	500	MLG1005S10NJTD25
11	±3%	8	100	2.50	3.5	0.40	0.28	400	MLG1005S11NHTD25
11	±5%	8	100	2.50	3.5	0.40	0.28	400	MLG1005S11NJTD25
12	±3%	8	100	2.50	3.0	0.40	0.25	400	MLG1005S12NHTD25
12	±5%	8	100	2.50	3.0	0.40	0.25	400	MLG1005S12NJTD25
13	±3%	8	100	2.40	2.9	0.50	0.26	400	MLG1005S13NHTD25
13	±5%	8	100	2.40	2.9	0.50	0.26	400	MLG1005S13NJTD25
15	±3%	8	100	2.20	2.8	0.55	0.35	400	MLG1005S15NHTD25
15	±5%	8	100	2.20	2.8	0.55	0.35	400	MLG1005S15NJTD25
* DI	and at the few lafe		industance telerane	o G (+29/)					

^{*} Please contact us for information on inductance tolerance, G (±2%).

Measurement item	Product No.	Manufacturer
L, Q	4291B +16193A	Keysight Technologies
Self-resonant frequency	8720C	Keysight Technologies
DC resistance	Type-7561	Yokogawa

^{*} Equivalent measurement equipment may be used.



■ CHARACTERISTICS SPECIFICATION TABLE

L		Q	L, Q measuring frequency	Self-reson	ant	DC resist	ance	Rated current	Part No.*
(nH)	Tolerance	min.	(MHz)	(GHz)min.	(GHz)typ.	(Ω)max.	(Ω)typ.	(mA)max.	
16	±3%	8	100	2.10	2.7	0.55	0.32	400	MLG1005S16NHTD25
16	±5%	8	100	2.10	2.7	0.55	0.32	400	MLG1005S16NJTD25
18	±3%	8	100	2.00	2.5	0.60	0.40	350	MLG1005S18NHTD25
18	±5%	8	100	2.00	2.5	0.60	0.40	350	MLG1005S18NJTD25
20	±3%	8	100	1.90	2.4	0.60	0.38	350	MLG1005S20NHTD25
20	±5%	8	100	1.90	2.4	0.60	0.38	350	MLG1005S20NJTD25
22	±3%	8	100	1.70	2.2	0.70	0.46	350	MLG1005S22NHTD25
22	±5%	8	100	1.70	2.2	0.70	0.46	350	MLG1005S22NJTD25
24	±3%	8	100	1.70	2.1	0.70	0.43	350	MLG1005S24NHTD25
24	±5%	8	100	1.70	2.1	0.70	0.43	350	MLG1005S24NJTD25
27	±3%	8	100	1.60	2.0	0.80	0.53	300	MLG1005S27NHTD25
27	±5%	8	100	1.60	2.0	0.80	0.53	300	MLG1005S27NJTD25
30	±3%	8	100	1.50	1.9	0.80	0.50	300	MLG1005S30NHTD25
30	±5%	8	100	1.50	1.9	0.80	0.50	300	MLG1005S30NJTD25
33	±3%	8	100	1.40	1.8	0.90	0.59	300	MLG1005S33NHTD25
33	±5%	8	100	1.40	1.8	0.90	0.59	300	MLG1005S33NJTD25
36	±3%	8	100	1.30	1.7	1.00	0.62	250	MLG1005S36NHTD25
36	±5%	8	100	1.30	1.7	1.00	0.62	250	MLG1005S36NJTD25
39	±3%	8	100	1.20	1.6	1.00	0.65	250	MLG1005S39NHTD25
39	±5%	8	100	1.20	1.6	1.00	0.65	250	MLG1005S39NJTD25
43	±3%	8	100	1.20	1.6	1.10	0.67	250	MLG1005S43NHTD25
43	±5%	8	100	1.20	1.6	1.10	0.67	250	MLG1005S43NJTD25
47	±3%	8	100	1.10	1.4	1.20	0.75	250	MLG1005S47NHTD25
47	±5%	8	100	1.10	1.4	1.20	0.75	250	MLG1005S47NJTD25
51	±3%	8	100	1.10	1.5	1.20	0.72	250	MLG1005S51NHTD25
51	±5%	8	100	1.10	1.5	1.20	0.72	250	MLG1005S51NJTD25
56	±3%	8	100	1.00	1.3	1.30	0.83	200	MLG1005S56NHTD25
56	±5%	8	100	1.00	1.3	1.30	0.83	200	MLG1005S56NJTD25
62	±3%	8	100	1.00	1.3	1.40	0.85	200	MLG1005S62NHTD25
62	±5%	8	100	1.00	1.3	1.40	0.85	200	MLG1005S62NJTD25
68	±3%	8	100	0.80	1.1	1.50	0.87	200	MLG1005S68NHTD25
68	±5%	8	100	0.80	1.1	1.50	0.87	200	MLG1005S68NJTD25
75	±3%	8	100	0.75	1.1	1.50	0.93	200	MLG1005S75NHTD25
75	±5%	8	100	0.75	1.1	1.50	0.93	200	MLG1005S75NJTD25
82	±3%	8	100	0.70	1.0	1.60	1.01	200	MLG1005S82NHTD25
82	±5%	8	100	0.70	1.0	1.60	1.01	200	MLG1005S82NJTD25
91	±3%	8	100	0.70	0.9	1.80	1.14	200	MLG1005S91NHTD25
91	±5%	8	100	0.70	0.9	1.80	1.14	200	MLG1005S91NJTD25
100	±3%	8	100	0.70	0.9	2.00	1.37	200	MLG1005SR10HTD25
100	±5%	8	100	0.70	0.9	2.00	1.37	200	MLG1005SR10JTD25
110	±3%	8	100	0.70	0.9	2.20	1.48	150	MLG1005SR11HTD25
110	±5%	8	100	0.70	0.9	2.20	1.48	150	MLG1005SR11JTD25
120	±3%	8	100	0.60	0.8	2.20	1.48	150	MLG1005SR12HTD25
120 * Please	±5%	8	100	0.60	0.8	2.20	1.48	150	MLG1005SR12JTD25

^{*} Please contact us for information on inductance tolerance, G (±2%).

Measurement item	Product No.	Manufacturer
L, Q	4291B +16193A	Keysight Technologies
Self-resonant frequency	8720C	Keysight Technologies
DC resistance	Type-7561	Yokogawa

^{*} Equivalent measurement equipment may be used.



■ CHARACTERISTICS SPECIFICATION TABLE

	Q	L, Q measuring	Self-resonant		DC resistance		Rated current	Part No.*
Tolerance	min.	(MHz)	(GHz)min.	(GHz)typ.	(Ω)max.	(Ω)typ.	(mA)max.	
±3%	8	100	0.60	0.8	2.50	1.68	150	MLG1005SR13HTD25
±5%	8	100	0.60	0.8	2.50	1.68	150	MLG1005SR13JTD25
±3%	8	100	0.55	0.7	3.50	2.44	150	MLG1005SR15HTD25
±5%	8	100	0.55	0.7	3.50	2.44	150	MLG1005SR15JTD25
±3%	8	100	0.50	0.6	3.80	2.74	150	MLG1005SR16HTD25
±5%	8	100	0.50	0.6	3.80	2.74	150	MLG1005SR16JTD25
±3%	8	100	0.50	0.6	3.80	2.88	150	MLG1005SR18HTD25
±5%	8	100	0.50	0.6	3.80	2.88	150	MLG1005SR18JTD25
±3%	8	100	0.42	0.5	4.20	3.15	100	MLG1005SR20HTD25
±5%	8	100	0.42	0.5	4.20	3.15	100	MLG1005SR20JTD25
±3%	8	100	0.45	0.5	4.20	3.02	100	MLG1005SR22HTD25
±5%	8	100	0.45	0.5	4.20	3.02	100	MLG1005SR22JTD25
±3%	8	100	0.40	0.5	4.80	3.42	100	MLG1005SR24HTD25
±5%	8	100	0.40	0.5	4.80	3.42	100	MLG1005SR24JTD25
±3%	8	100	0.40	0.5	4.80	3.54	100	MLG1005SR27HTD25
±5%	8	100	0.40	0.5	4.80	3.54	100	MLG1005SR27JTD25
±3%	6	50	0.35	0.4	6.50	4.82	50	MLG1005SR30HTD25
±5%	6	50	0.35	0.4	6.50	4.82	50	MLG1005SR30JTD25
±3%	6	50	0.35	0.4	7.00	5.21	50	MLG1005SR33HTD25
±5%	6	50	0.35	0.4	7.00	5.21	50	MLG1005SR33JTD25
±3%	6	50	0.30	0.4	7.50	5.39	50	MLG1005SR36HTD25
±5%	6	50	0.30	0.4	7.50	5.39	50	MLG1005SR36JTD25
±3%	6	50	0.30	0.4	8.00	5.97	50	MLG1005SR39HTD25
±5%	6	50	0.30	0.4	8.00	5.97	50	MLG1005SR39JTD25
	±3% ±5% ±3% ±5% ±3% ±5% ±3% ±5% ±3% ±5% ±3% ±5% ±3% ±5% ±3% ±5% ±3% ±5% ±3% ±5% ±3% ±5% ±3% ±5% ±3%	Tolerance min. ±3% 8 ±5% 8 ±3% 8 ±5% 8 ±3% 8 ±5% 8 ±3% 8 ±5% 8 ±3% 8 ±5% 8 ±3% 8 ±5% 8 ±3% 8 ±5% 8 ±3% 6 ±5% 6 ±3% 6 ±5% 6 ±3% 6 ±5% 6 ±3% 6 ±5% 6 ±3% 6	Tolerance min. (MHz) ±3% 8 100 ±5% 8 100 ±3% 8 100 ±5% 8 100 ±5% 8 100 ±5% 8 100 ±3% 8 100 ±3% 8 100 ±5% 8 100 ±3% 8 100 ±5% 8 100 ±3% 8 100 ±5% 8 100 ±5% 8 100 ±5% 8 100 ±5% 8 100 ±5% 8 100 ±5% 8 100 ±3% 8 100 ±3% 8 100 ±3% 6 50 ±3% 6 50 ±5% 6 50 ±5% 6 50 ±5%	Tolerance min. (MHz) frequency ±3% 8 100 0.60 ±5% 8 100 0.60 ±3% 8 100 0.55 ±5% 8 100 0.55 ±3% 8 100 0.50 ±5% 8 100 0.50 ±3% 8 100 0.50 ±3% 8 100 0.42 ±5% 8 100 0.42 ±3% 8 100 0.45 ±3% 8 100 0.45 ±3% 8 100 0.40 ±5% 8 100 0.40 ±5% 8 100 0.40 ±3% 8 100 0.40 ±5% 8 100 0.40 ±5% 8 100 0.40 ±5% 8 100 0.40 ±5% 8 100 0.40 <td>Tolerance min. (MHz) (GHz)min. (GHz)typ. ±3% 8 100 0.60 0.8 ±5% 8 100 0.60 0.8 ±3% 8 100 0.55 0.7 ±5% 8 100 0.55 0.7 ±3% 8 100 0.50 0.6 ±5% 8 100 0.50 0.6 ±3% 8 100 0.50 0.6 ±3% 8 100 0.50 0.6 ±3% 8 100 0.50 0.6 ±3% 8 100 0.42 0.5 ±3% 8 100 0.42 0.5 ±3% 8 100 0.45 0.5 ±3% 8 100 0.45 0.5 ±3% 8 100 0.40 0.5 ±3% 8 100 0.40 0.5 ±3% 8</td> <td>Tolerance min. (MHz) (GHz)min. (GHz)typ. (Ω)max. ±3% 8 100 0.60 0.8 2.50 ±5% 8 100 0.60 0.8 2.50 ±3% 8 100 0.55 0.7 3.50 ±5% 8 100 0.55 0.7 3.50 ±3% 8 100 0.50 0.6 3.80 ±5% 8 100 0.50 0.6 3.80 ±3% 8 100 0.50 0.6 3.80 ±5% 8 100 0.50 0.6 3.80 ±3% 8 100 0.50 0.6 3.80 ±3% 8 100 0.42 0.5 4.20 ±5% 8 100 0.42 0.5 4.20 ±3% 8 100 0.45 0.5 4.20 ±3% 8 100 0.40 0.5 4.80<td>Tolerance min. (MHz) (GHz)min. (GHz)typ. (Ω)max. (Ω)typ. ±3% 8 100 0.60 0.8 2.50 1.68 ±5% 8 100 0.60 0.8 2.50 1.68 ±3% 8 100 0.55 0.7 3.50 2.44 ±5% 8 100 0.55 0.7 3.50 2.44 ±3% 8 100 0.50 0.6 3.80 2.74 ±5% 8 100 0.50 0.6 3.80 2.74 ±5% 8 100 0.50 0.6 3.80 2.74 ±3% 8 100 0.50 0.6 3.80 2.88 ±3% 8 100 0.50 0.6 3.80 2.88 ±3% 8 100 0.42 0.5 4.20 3.15 ±5% 8 100 0.42 0.5 4.20 3.02</td><td>Tolerance min. (MHz) (GHz)min. (GHz)typ. (Ω)max. (Ω)typ. (mA)max. ±3% 8 100 0.60 0.8 2.50 1.68 150 ±5% 8 100 0.60 0.8 2.50 1.68 150 ±3% 8 100 0.55 0.7 3.50 2.44 150 ±5% 8 100 0.55 0.7 3.50 2.44 150 ±3% 8 100 0.55 0.7 3.50 2.44 150 ±3% 8 100 0.50 0.6 3.80 2.74 150 ±3% 8 100 0.50 0.6 3.80 2.88 150 ±3% 8 100 0.50 0.6 3.80 2.88 150 ±3% 8 100 0.42 0.5 4.20 3.15 100 ±5% 8 100 0.42 0.5 4.20<</td></td>	Tolerance min. (MHz) (GHz)min. (GHz)typ. ±3% 8 100 0.60 0.8 ±5% 8 100 0.60 0.8 ±3% 8 100 0.55 0.7 ±5% 8 100 0.55 0.7 ±3% 8 100 0.50 0.6 ±5% 8 100 0.50 0.6 ±3% 8 100 0.50 0.6 ±3% 8 100 0.50 0.6 ±3% 8 100 0.50 0.6 ±3% 8 100 0.42 0.5 ±3% 8 100 0.42 0.5 ±3% 8 100 0.45 0.5 ±3% 8 100 0.45 0.5 ±3% 8 100 0.40 0.5 ±3% 8 100 0.40 0.5 ±3% 8	Tolerance min. (MHz) (GHz)min. (GHz)typ. (Ω)max. ±3% 8 100 0.60 0.8 2.50 ±5% 8 100 0.60 0.8 2.50 ±3% 8 100 0.55 0.7 3.50 ±5% 8 100 0.55 0.7 3.50 ±3% 8 100 0.50 0.6 3.80 ±5% 8 100 0.50 0.6 3.80 ±3% 8 100 0.50 0.6 3.80 ±5% 8 100 0.50 0.6 3.80 ±3% 8 100 0.50 0.6 3.80 ±3% 8 100 0.42 0.5 4.20 ±5% 8 100 0.42 0.5 4.20 ±3% 8 100 0.45 0.5 4.20 ±3% 8 100 0.40 0.5 4.80 <td>Tolerance min. (MHz) (GHz)min. (GHz)typ. (Ω)max. (Ω)typ. ±3% 8 100 0.60 0.8 2.50 1.68 ±5% 8 100 0.60 0.8 2.50 1.68 ±3% 8 100 0.55 0.7 3.50 2.44 ±5% 8 100 0.55 0.7 3.50 2.44 ±3% 8 100 0.50 0.6 3.80 2.74 ±5% 8 100 0.50 0.6 3.80 2.74 ±5% 8 100 0.50 0.6 3.80 2.74 ±3% 8 100 0.50 0.6 3.80 2.88 ±3% 8 100 0.50 0.6 3.80 2.88 ±3% 8 100 0.42 0.5 4.20 3.15 ±5% 8 100 0.42 0.5 4.20 3.02</td> <td>Tolerance min. (MHz) (GHz)min. (GHz)typ. (Ω)max. (Ω)typ. (mA)max. ±3% 8 100 0.60 0.8 2.50 1.68 150 ±5% 8 100 0.60 0.8 2.50 1.68 150 ±3% 8 100 0.55 0.7 3.50 2.44 150 ±5% 8 100 0.55 0.7 3.50 2.44 150 ±3% 8 100 0.55 0.7 3.50 2.44 150 ±3% 8 100 0.50 0.6 3.80 2.74 150 ±3% 8 100 0.50 0.6 3.80 2.88 150 ±3% 8 100 0.50 0.6 3.80 2.88 150 ±3% 8 100 0.42 0.5 4.20 3.15 100 ±5% 8 100 0.42 0.5 4.20<</td>	Tolerance min. (MHz) (GHz)min. (GHz)typ. (Ω)max. (Ω)typ. ±3% 8 100 0.60 0.8 2.50 1.68 ±5% 8 100 0.60 0.8 2.50 1.68 ±3% 8 100 0.55 0.7 3.50 2.44 ±5% 8 100 0.55 0.7 3.50 2.44 ±3% 8 100 0.50 0.6 3.80 2.74 ±5% 8 100 0.50 0.6 3.80 2.74 ±5% 8 100 0.50 0.6 3.80 2.74 ±3% 8 100 0.50 0.6 3.80 2.88 ±3% 8 100 0.50 0.6 3.80 2.88 ±3% 8 100 0.42 0.5 4.20 3.15 ±5% 8 100 0.42 0.5 4.20 3.02	Tolerance min. (MHz) (GHz)min. (GHz)typ. (Ω)max. (Ω)typ. (mA)max. ±3% 8 100 0.60 0.8 2.50 1.68 150 ±5% 8 100 0.60 0.8 2.50 1.68 150 ±3% 8 100 0.55 0.7 3.50 2.44 150 ±5% 8 100 0.55 0.7 3.50 2.44 150 ±3% 8 100 0.55 0.7 3.50 2.44 150 ±3% 8 100 0.50 0.6 3.80 2.74 150 ±3% 8 100 0.50 0.6 3.80 2.88 150 ±3% 8 100 0.50 0.6 3.80 2.88 150 ±3% 8 100 0.42 0.5 4.20 3.15 100 ±5% 8 100 0.42 0.5 4.20<

^{*} Please contact us for information on inductance tolerance, G (±2%).

Measurement item	Product No.	Manufacturer
L, Q	4291B +16193A	Keysight Technologies
Self-resonant frequency	8720C	Keysight Technologies
DC resistance	Type-7561	Yokogawa

^{*} Equivalent measurement equipment may be used.



L, Q FREQUENCY CHARACTERISTICS TABLE

	L(nH)typ.					Q typ.					Part No.*
0.3		800MHz	1.8GHz	2.0GHz	2.4GHz		800MHz	1.8GHz	2.0GHz	2.4GHz	
0.3	0.3	0.3	0.3	0.3			27min.		49min.		MLG1005S0N3BTD25
0.4	0.3	0.3	0.3	0.3	0.3	22min.	27min.	46min.	49min.		MLG1005S0N3CTD25
0.4	0.4	0.4	0.4	0.4	0.4		27min.	46min.	49min.		MLG1005S0N4BTD25
0.5	0.4	0.4	0.4	0.4	0.4		27min.	46min.	49min.	53min.	MLG1005S0N4CTD25
0.6	0.5	0.5	0.5	0.5	0.5	22min.	27min.	46min.	49min.	53min.	MLG1005S0N5BTD25
0.6	0.5	0.5	0.5	0.5	0.5	22min.	27min.	46min.	49min.	53min.	MLG1005S0N5CTD25
0.7	0.6	0.6	0.6	0.6	0.6	22	27	46	49	53	MLG1005S0N6BTD25
0.7	0.6	0.6	0.6	0.6	0.6	22	27	46	49	53	MLG1005S0N6CTD25
0.8		0.7	0.7	0.7	0.7	22	28	45	49	54	MLG1005S0N7BTD25
0.8	0.7	0.7	0.7	0.7	0.7	22	28	45	49	54	MLG1005S0N7CTD25
0.9 0.8 0.8 0.8 0.8 0.8 21 27 44 47 53 MLG1005S0N9BTD25 0.9 0.8 0.8 0.8 0.8 0.8 21 27 44 47 53 MLG1005S0N9CTD25 0.9 0.9 0.9 0.9 0.9 0.9 22 29 48 50 56 MLG1005S1N0CTD25 1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1BTD25 1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1BTD25 1.1 1.1 1.1 1.1 1.1 23 29 48 50 56 MLG1005S1N1CTD25 1.1 1.1 1.1 1.1 1.1 23 29 48 50 56 MLG1005S1N1ETD25 1.1 1.1 1.1 1.1 1.1 23 29 48 50 56 MLG1005S1N1ETD25 1.1 1.1 1.1 1.1 1.1 23 29 48 50 56 MLG1005S1N2ETD25 1.1 1.1 1.1 1.1 1.1 1.1 23 29 48 50 56 MLG1005S1N2ETD25 1.1 1.1 1.1 1.1 1.1 1.1 23 29 48 50 56 MLG1005S1N2ETD25 1.2 1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1N2ETD25 1.2 1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1N3ETD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N3ETD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N3ETD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N3ETD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N3ETD25 1.5 1.5 1.5 1.6 1.6 23 29 47 50 56 MLG1005S1N3ETD25 1.5 1.5 1.5 1.6 1.6 23 29 47 50 56 MLG1005S1N3ETD25 1.5 1.5 1.5 1.6 1.6 23 29 47 50 56 MLG1005S1N3ETD25 1.7 1.7 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N3ETD25 1.7 1.7 1.7 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N3ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S1N3ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S1N3ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S1N3ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25	0.8	0.8	0.8	0.8	0.8	26	34	57	60	66	MLG1005S0N8BTD25
0.9 0.8 0.8 0.8 0.8 0.8 21 27 44 47 53 MLG1005S0N9CTD25 0.9 0.9 0.9 0.9 0.9 0.9 22 29 48 50 56 MLG1005S1N0BTD25 1.0 1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1NSTD25 1.0 1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1NSTD25 1.0 1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1NSTD25 1.1 1.1 1.1 1.1 1.1 1.1 23 29 48 50 56 MLG1005S1NSTD25 1.1 1.1 1.1 1.1 1.1 1.1 23 29 48 50 56 MLG1005S1NSTD25 1.1 1.1 1.1 1.1 1.1 1.1 23 29 48 50 56 MLG1005S1NSTD25 1.1 1.1 1.1 1.1 1.1 1.1 23 29 48 50 56 MLG1005S1NSTD25 1.2 1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1NSTD25 1.2 1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1NSTD25 1.4 1.4 1.4 1.5 1.5 1.5 23 29 47 50 56 MLG1005S1NSTD25 1.4 1.4 1.4 1.5 1.5 1.5 23 29 47 50 56 MLG1005S1NSTD25 1.4 1.4 1.4 1.5 1.5 1.5 23 29 47 50 56 MLG1005S1NSTD25 1.5 1.5 1.5 1.6 1.6 1.6 23 29 47 50 56 MLG1005S1NSTD25 1.5 1.5 1.5 1.6 1.6 1.6 23 29 47 50 56 MLG1005S1NSETD25 1.7 1.7 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1NBETD25 1.9 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2NOETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2NOETD25 1.9 1.9 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2NOETD25 1.1 1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1NBETD25 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	0.8	0.8	0.8	0.8	0.8	26	34	57	60	66	MLG1005S0N8CTD25
0.9 0.9 0.9 0.9 0.9 22 29 48 50 56 MLG1005S1N0BTD25 0.9 0.9 0.9 0.9 22 29 48 50 56 MLG1005S1N1BTD25 1.0 1.0 1.0 1.0 1.0 1.0 50 57 MLG1005S1N1BTD25 1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1BTD25 1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1BTD25 1.1	0.9	0.8	0.8	0.8	0.8	21	27	44	47	53	MLG1005S0N9BTD25
0.9 0.9 0.9 0.9 0.9 22 29 48 50 56 MLG1005S1N0CTD25 1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1BTD25 1.0 1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1STD25 1.1	0.9	0.8	0.8	0.8	0.8	21	27	44	47	53	MLG1005S0N9CTD25
1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1BTD25 1.0 1.0 1.0 1.0 1.0 1.0 57 MLG1005S1N1STD25 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1STD25 1.1 <td>0.9</td> <td>0.9</td> <td>0.9</td> <td>0.9</td> <td>0.9</td> <td>22</td> <td>29</td> <td>48</td> <td>50</td> <td>56</td> <td>MLG1005S1N0BTD25</td>	0.9	0.9	0.9	0.9	0.9	22	29	48	50	56	MLG1005S1N0BTD25
1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1CTD25 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1STD25 1.1	0.9	0.9	0.9	0.9	0.9	22	29	48	50	56	MLG1005S1N0CTD25
1.0 1.0 1.0 1.0 1.0 23 29 47 50 57 MLG1005S1N1STD25 1.1	1.0	1.0	1.0	1.0	1.0	23	29	47	50	57	MLG1005S1N1BTD25
1.1 1.1 <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>1.0</td> <td>23</td> <td>29</td> <td>47</td> <td>50</td> <td>57</td> <td>MLG1005S1N1CTD25</td>	1.0	1.0	1.0	1.0	1.0	23	29	47	50	57	MLG1005S1N1CTD25
1.1 1.2 1.2 22 27	1.0	1.0	1.0	1.0	1.0	23	29	47	50	57	MLG1005S1N1STD25
1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.2 <td>1.1</td> <td>1.1</td> <td>1.1</td> <td>1.1</td> <td>1.1</td> <td>23</td> <td>29</td> <td>48</td> <td>50</td> <td>56</td> <td>MLG1005S1N2BTD25</td>	1.1	1.1	1.1	1.1	1.1	23	29	48	50	56	MLG1005S1N2BTD25
1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1N3BTD25 1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1N3CTD25 1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1N3STD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5CTD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5CTD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5CTD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5CTD25 1.5 1.5 1.5 1.5 1.5 1.5 1.5 MLG1005S1N6CTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25	1.1	1.1	1.1	1.1	1.1	23	29	48	50	56	MLG1005S1N2CTD25
1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1N3CTD25 1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1N3STD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5CTD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5CTD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5CTD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5CTD25 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6BTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N8GTD25 1.7 1.7 1.7 1.7 20	1.1	1.1	1.1	1.1	1.1	23	29	48	50	56	MLG1005S1N2STD25
1.2 1.2 1.2 1.2 22 27 44 47 53 MLG1005S1N3STD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5GTD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5GTD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5GTD25 1.5 1.5 1.5 1.5 23 29 46 49 54 MLG1005S1N6GTD25 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N8GTD25 1.7 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 <	1.2	1.2	1.2	1.2	1.2	22	27	44	47	53	MLG1005S1N3BTD25
1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1NSBTD25 1.4 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1NSCTD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1NSCTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 <t< td=""><td>1.2</td><td>1.2</td><td>1.2</td><td>1.2</td><td>1.2</td><td>22</td><td>27</td><td>44</td><td>47</td><td>53</td><td>MLG1005S1N3CTD25</td></t<>	1.2	1.2	1.2	1.2	1.2	22	27	44	47	53	MLG1005S1N3CTD25
1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5CTD25 1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1N5STD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8STD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 </td <td>1.2</td> <td>1.2</td> <td>1.2</td> <td>1.2</td> <td>1.2</td> <td>22</td> <td>27</td> <td>44</td> <td>47</td> <td>53</td> <td>MLG1005S1N3STD25</td>	1.2	1.2	1.2	1.2	1.2	22	27	44	47	53	MLG1005S1N3STD25
1.4 1.4 1.4 1.5 1.5 23 29 47 50 56 MLG1005S1NSSTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6STD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8BTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8STD25 1.9 1.9 1.9 1.9 21 25 41 43 49 MLG1005S2N0BTD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 <	1.4	1.4	1.4	1.5	1.5	23	29	47	50	56	MLG1005S1N5BTD25
1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6BTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6STD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 1.9 1.9 </td <td>1.4</td> <td>1.4</td> <td>1.4</td> <td>1.5</td> <td>1.5</td> <td>23</td> <td>29</td> <td>47</td> <td>50</td> <td>56</td> <td>MLG1005S1N5CTD25</td>	1.4	1.4	1.4	1.5	1.5	23	29	47	50	56	MLG1005S1N5CTD25
1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6CTD25 1.5 1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6STD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.9 1.9 1.9 1.9 21 25 41 43 49 MLG1005S1N8STD25 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0ETD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 2.1 2.1 2.1 2.2 </td <td>1.4</td> <td>1.4</td> <td>1.4</td> <td>1.5</td> <td>1.5</td> <td>23</td> <td>29</td> <td>47</td> <td>50</td> <td>56</td> <td>MLG1005S1N5STD25</td>	1.4	1.4	1.4	1.5	1.5	23	29	47	50	56	MLG1005S1N5STD25
1.5 1.5 1.6 1.6 23 29 46 49 54 MLG1005S1N6STD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8BTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8STD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0BTD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2CTD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2CTD25	1.5	1.5	1.5	1.6	1.6	23	29	46	49	54	MLG1005S1N6BTD25
1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8BTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8STD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0BTD25 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2CTD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2CTD25	1.5	1.5	1.5	1.6	1.6	23	29	46	49	54	MLG1005S1N6CTD25
1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8CTD25 1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8STD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0BTD25 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0STD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2BTD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2CTD25	1.5	1.5	1.5	1.6	1.6	23	29	46	49	54	MLG1005S1N6STD25
1.7 1.7 1.7 1.7 20 26 41 43 49 MLG1005S1N8STD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0BTD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0STD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2BTD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2CTD25	1.7	1.7	1.7	1.7	1.7	20	26	41	43	49	MLG1005S1N8BTD25
1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0BTD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0STD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2BTD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2CTD25	1.7	1.7	1.7	1.7	1.7	20	26	41	43	49	MLG1005S1N8CTD25
1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0CTD25 1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0STD25 2.1 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2BTD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2CTD25	1.7	1.7	1.7	1.7	1.7	20	26	41	43	49	MLG1005S1N8STD25
1.9 1.9 1.9 1.9 21 25 41 43 48 MLG1005S2N0STD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2BTD25 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2CTD25	1.9	1.9	1.9	1.9	1.9	21	25	41	43	48	MLG1005S2N0BTD25
2.1 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2BTD25 2.1 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2CTD25	1.9	1.9	1.9	1.9	1.9	21	25	41	43	48	MLG1005S2N0CTD25
2.1 2.1 2.1 2.1 2.2 22 27 44 47 52 <u>MLG1005S2N2CTD25</u>	1.9	1.9	1.9	1.9	1.9	21	25	41	43		MLG1005S2N0STD25
	2.1	2.1	2.1	2.1	2.2	22	27	44	47	52	MLG1005S2N2BTD25
2.1 2.1 2.1 2.1 2.2 22 27 44 47 52 MLG1005S2N2STD25	2.1	2.1	2.1	2.1	2.2	22	27	44	47	52	MLG1005S2N2CTD25
	2.1	2.1	2.1	2.1	2.2	22	27	44	47	52	MLG1005S2N2STD25

^{*} Please contact us for information on inductance tolerance, G (±2%).

Product No.	Manufacturer
4291B +16193A	Keysight Technologies

^{*} Equivalent measurement equipment may be used.



L, Q FREQUENCY CHARACTERISTICS TABLE

L(nH)typ.					Q typ.					Part No.*
500MHz	800MHz	1.8GHz	2.0GHz	2.4GHz	500MHz	800MHz	1.8GHz	2.0GHz	2.4GHz	
2.3	2.3	2.3	2.3	2.4	21	26	42	44	49	MLG1005S2N4BTD25
2.3	2.3	2.3	2.3	2.4	21	26	42	44	49	MLG1005S2N4CTD25
2.3	2.3	2.3	2.3	2.4	21	26	42	44	49	MLG1005S2N4STD25
2.6	2.6	2.6	2.7	2.7	22	27	43	45	50	MLG1005S2N7BTD25
2.6	2.6	2.6	2.7	2.7	22	27	43	45	50	MLG1005S2N7CTD25
2.6	2.6	2.6	2.7	2.7	22	27	43	45	50	MLG1005S2N7STD25
2.9	2.9	3.0	3.0	3.1	24	29	47	49	54	MLG1005S3N0BTD25
2.9	2.9	3.0	3.0	3.1	24	29	47	49	54	MLG1005S3N0CTD25
2.9	2.9	3.0	3.0	3.1	24	29	47	49	54	MLG1005S3N0STD25
3.2	3.2	3.3	3.4	3.5	24	30	46	48	53	MLG1005S3N3BTD25
3.2	3.2	3.3	3.4	3.5	24	30	46	48	53	MLG1005S3N3CTD25
3.2	3.2	3.3	3.4	3.5	24	30	46	48	53	MLG1005S3N3STD25
3.4	3.4	3.6	3.6	3.8	21	26	40	42	46	MLG1005S3N6BTD25
3.4	3.4	3.6	3.6	3.8	21	26	40	42	46	MLG1005S3N6CTD25
3.4	3.4	3.6	3.6	3.8	21	26	40	42	46	MLG1005S3N6STD25
3.7	3.7	3.9	3.9	4.1	22	28	43	45	50	MLG1005S3N9BTD25
3.7	3.7	3.9	3.9	4.1	22	28	43	45	50	MLG1005S3N9CTD25
3.7	3.7	3.9	3.9	4.1	22	28	43	45	50	MLG1005S3N9STD25
4.1	4.1	4.3	4.4	4.6	24	30	47	49	53	MLG1005S4N3CTD25
4.1	4.1	4.3	4.4	4.6	24	30	47	49	53	MLG1005S4N3STD25
4.5	4.5	4.8	4.9	5.2	23	30	45	47	50	MLG1005S4N7CTD25
4.5	4.5	4.8	4.9	5.2	23	30	45	47	50	MLG1005S4N7STD25
4.9	4.9	5.4	5.6	6.1	23	29	42	43	44	MLG1005S5N1CTD25
4.9	4.9	5.4	5.6	6.1	23	29	42	43	44	MLG1005S5N1STD25
5.4	5.4	5.8	5.9	6.3	22	28	42	43	45	MLG1005S5N6CTD25
5.4	5.4	5.8	5.9	6.3	22	28	42	43	45	MLG1005S5N6STD25
6.0	6.0	6.8	7.1	7.8	24	29	42	43	43	MLG1005S6N2HTD25
6.0	6.0	6.8	7.1	7.8	24	29	42	43	43	MLG1005S6N2STD25
6.5	6.6	7.4	7.8	8.6	23	28	40	41	41	MLG1005S6N8HTD25
6.5	6.6	7.4	7.8	8.6	23	28	40	41	41	MLG1005S6N8JTD25
7.2	7.4	8.6	9.2	10.5	24	30	41	41	39	MLG1005S7N5HTD25
7.2	7.4	8.6	9.2	10.5	24	30	41	41	39	MLG1005S7N5JTD25
7.9	8.0	9.3	9.9	11.3	23	28	38	38	36	MLG1005S8N2HTD25
7.9	8.0	9.3	9.9	11.3	23	28	38	38	36	MLG1005S8N2JTD25
8.8	9.0	10.8	11.6	13.7	24	30	40	39	36	MLG1005S9N1HTD25
8.8	9.0	10.8	11.6	13.7	24	30	40	39	36	MLG1005S9N1JTD25
9.7	9.9	12.4	13.5	16.7	24	30	37	36	31	MLG1005S10NHTD25
9.7	9.9	12.4	13.5	16.7	24	30	37	36	31	MLG1005S10NJTD25
10.6	10.9	13.8	15.1	19	23	28	34	33	28	MLG1005S11NHTD25
10.6	10.9	13.8	15.1	19	23	28	34	33	28	MLG1005S11NJTD25
11.7	12.1	16.2	18.3		23	29	33	31		MLG1005S12NHTD25
11.7	12.1	16.2	18.3		23	29	33	31		MLG1005S12NJTD25

^{*} Please contact us for information on inductance tolerance, G (±2%).

Product No.	Manufacturer
4291B +16193A	Keysight Technologies

^{*} Equivalent measurement equipment may be used.



L, Q FREQUENCY CHARACTERISTICS TABLE

L(nH)typ.					Q typ.					Part No.*
500MHz	800MHz	1.8GHz	2.0GHz	2.4GHz	500MHz	800MHz	1.8GHz	2.0GHz	2.4GHz	
12.6	13.0	18.3	21.3		20	24	25	22		MLG1005S13NHTD25
12.6	13.0	18.3	21.3		20	24	25	22		MLG1005S13NJTD25
14.7	15.3	22.0	26.0		23	28	29	26		MLG1005S15NHTD25
14.7	15.3	22.0	26.0		23	28	29	26		MLG1005S15NJTD25
15.6	16.2	24.1	29.0		22	26	26	22		MLG1005S16NHTD25
15.6	16.2	24.1	29.0		22	26	26	22		MLG1005S16NJTD25
17.7	18.6	29.0			23	28	26			MLG1005S18NHTD25
17.7	18.6	29.0			23	28	26			MLG1005S18NJTD25
19.7	20.8	36.8			21	25	21			MLG1005S20NHTD25
19.7	20.8	36.8			21	25	21			MLG1005S20NJTD25
21.8	23.3				22	27				MLG1005S22NHTD25
21.8	23.3				22	27				MLG1005S22NJTD25
23.8	25.5				22	26				MLG1005S24NHTD25
23.8	25.5				22	26				MLG1005S24NJTD25
27.0	29.6				20	23				MLG1005S27NHTD25
27.0	29.6				20	23				MLG1005S27NJTD25
30.1	33.5				19	21				MLG1005S30NHTD25
30.1	33.5				19	21				MLG1005S30NJTD25
33.5	37.8			20	23					MLG1005S33NHTD25
33.5	37.8			20	23					MLG1005S33NJTD25
36.7	41.5			21	23					MLG1005S36NHTD25
36.7	41.5			21	23					MLG1005S36NJTD25
40.3	46.9			20	21					MLG1005S39NHTD25
40.3	46.9			20	21					MLG1005S39NJTD25
44.3	51.6			20	21					MLG1005S43NHTD25
44.3	51.6			20	21					MLG1005S43NJTD25
50.2	63.2			19	20					MLG1005S47NHTD25
50.2	63.2			19	20					MLG1005S47NJTD25
53.7	65.6			19	19					MLG1005S51NHTD25
53.7	65.6			19	19					MLG1005S51NJTD25
60.9	80.2			19	18					MLG1005S56NHTD25
60.9	80.2			19	18					MLG1005S56NJTD25
67.5	89.8			18	16					MLG1005S62NHTD25
67.5	89.8			18	16					MLG1005S62NJTD25
75.8	107.5			17	15					MLG1005S68NHTD25
75.8	107.5			17	15					MLG1005S68NJTD25
86.5	135.2			17	13					MLG1005S75NHTD25
86.5	135.2			17	13					MLG1005S75NJTD25
96.9				16						MLG1005S82NHTD25
96.9				16						MLG1005S82NJTD25
111.0				15						MLG1005S91NHTD25
111.0				15						MLG1005S91NJTD25
					O (OO()					

^{*} Please contact us for information on inductance tolerance, G (±2%).

Product No.	Manufacturer
4291B +16193A	Keysight Technologies

^{*} Equivalent measurement equipment may be used.



L, Q FREQUENCY CHARACTERISTICS TABLE

L(nH)typ.					Q typ.					Part No.*
500MHz	800MHz	1.8GHz	2.0GHz	2.4GHz	500MHz	800MHz	1.8GHz	2.0GHz	2.4GHz	
128.9					14					MLG1005SR10HTD25
128.9					14					MLG1005SR10JTD25
140.8					15					MLG1005SR11HTD25
140.8					15					MLG1005SR11JTD25
175.2					12					MLG1005SR12HTD25
175.2					12					MLG1005SR12JTD25
187.8					13					MLG1005SR13HTD25
187.8					13					MLG1005SR13JTD25
284.7					11					MLG1005SR15HTD25
284.7					11					MLG1005SR15JTD25
										MLG1005SR16HTD25
										MLG1005SR16JTD25
										MLG1005SR18HTD25
										MLG1005SR18JTD25
										MLG1005SR20HTD25
										MLG1005SR20JTD25
										MLG1005SR22HTD25
										MLG1005SR22JTD25
										MLG1005SR24HTD25
										MLG1005SR24JTD25
										MLG1005SR27HTD25
										MLG1005SR27JTD25
										MLG1005SR30HTD25
										MLG1005SR30JTD25
										MLG1005SR33HTD25
										MLG1005SR33JTD25
		· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·			MLG1005SR36HTD25
										MLG1005SR36JTD25
		· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·			MLG1005SR39HTD25
										MLG1005SR39JTD25

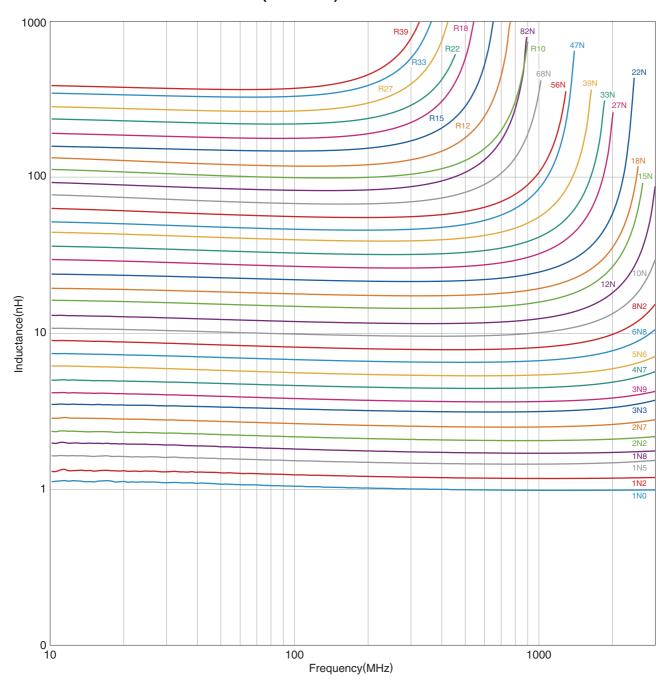
^{*} Please contact us for information on inductance tolerance, G (±2%).

Product No.	Manufacturer
4291B +16193A	Keysight Technologies

^{*} Equivalent measurement equipment may be used.



L FREQUENCY CHARACTERISTICS (EXAMPLE)

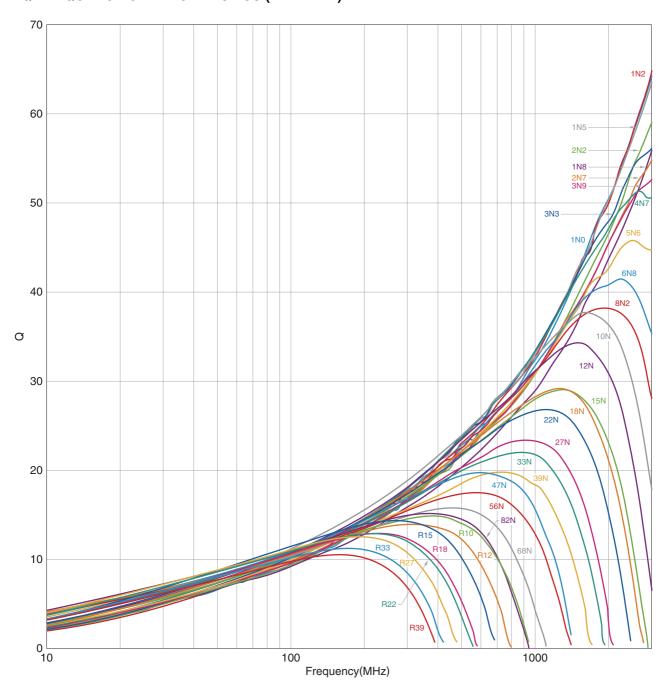


Product No.	Manufacturer
E4991A +16193A	Keysight Technologies

^{*} Equivalent measurement equipment may be used.



■ Q FREQUENCY CHARACTERISTICS (EXAMPLE)

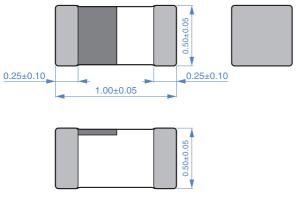


Product No.	Manufacturer
E4991A +16193A	Keysight Technologies

^{*} Equivalent measurement equipment may be used.



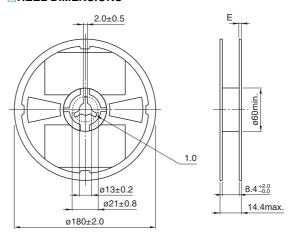
SHAPE & DIMENSIONS



Dimensions in mm

■PACKAGING STYLE

REEL DIMENSIONS



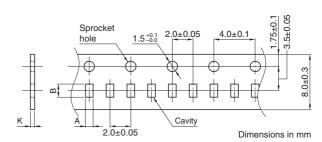
Dimensions in mm

■ RECOMMENDED LAND PATTERN



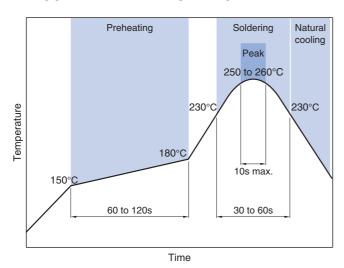
Dimensions in mm

TAPE DIMENSIONS



Type	Α	В	K
MLG1005S	0.62±0.1	1.12±0.1	0.8 max.

■ RECOMMENDED REFLOW PROFILE



160min.	Taping	200min.	1
Drawing dir	ection	Marking	300min.

Dimensions in mm

□PACKAGE QUANTITY

Package quantity 10000pcs/reel		
	Package quantity	10000pcs/reel

■TEMPERATURE RANGE, INDIVIDUAL WEIGHT

Operating temperature range	Storage temperature range*	Individual weight
−55 to +125 °C	−55 to +125 °C	1 mg

^{*} The storage temperature range is for after the assembly.



REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using this products.

REMINDERS ○ The storage period is within 12 months. Be sure to follow the storage conditions (temperature: 5 to 40°C, humidity: 10 to 75% RH or less). If the storage period elapses, the soldering of the terminal electrodes may deteriorate. On not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.). Before soldering, be sure to preheat components. The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C. Soldering corrections after mounting should be within the range of the conditions determined in the specifications. If overheated, a short circuit, performance deterioration, or lifespan shortening may occur. When embedding a printed circuit board where a chip is mounted to a set, be sure that residual stress is not given to the chip due to the overall distortion of the printed circuit board and partial distortion such as at screw tightening portions. O Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design. Carefully lay out the coil for the circuit board design of the non-magnetic shield type. A malfunction may occur due to magnetic interference. Use a wrist band to discharge static electricity in your body through the grounding wire. On not expose the products to magnets or magnetic fields. O Do not use for a purpose outside of the contents regulated in the delivery specifications. The products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition. The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society,

- (1) Aerospace/aviation equipment
- (2) Transportation equipment (electric trains, ships, etc.)

set forth in the each catalog, please contact us.

(3) Medical equipment

person or property.

- (4) Power-generation control equipment
- (5) Atomic energy-related equipment
- (6) Seabed equipment
- (7) Transportation control equipment

- (8) Public information-processing equipment
- (9) Military equipment
- (10) Electric heating apparatus, burning equipment
- (11) Disaster prevention/crime prevention equipment
- (12) Safety equipment
- (13) Other applications that are not considered general-purpose applications

When designing your equipment even for general-purpose applications, you are kindly requested to take into consideration securing protection circuit/device or providing backup circuits in your equipment.

If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions