

Size mm (inch)	Tolerance (%)	Power Rating (70°C)(W)	Resistance Range (Ω)										Standard Resistance Value	Category Temp. Range (°C)	Type	Series	Page
0402 (01005)	±1	0.031											E24,E96	-55 to +125	ERJXGN	Precision	12
	±5	0.031											E24	-55 to +125	ERJXGN	General	10
0603 (0201)	±0.5	0.05											E24,E96	-55 to +125	ERJ1RH/1RK	Precision	12
	±1	0.05											E24,E96	-55 to +125	ERJ1GN	Precision	12
		0.05											E24,E96	-55 to +125	ERJU01	Anti-Sulfurated	29
	±5	0.05											E24	-55 to +125	ERJ1GN	General	10
		0.05											E24	-55 to +125	ERJU01	Anti-Sulfurated	29
1005 (0402)	±0.1	0.063											E24	-55 to +155	ERA2A	Metal Film, High Reliability	15
	±0.5	0.063											E24,E96	-55 to +125	ERJ2RH/2RK	Precision	12
		0.063											E24	-55 to +155	ERA2A	Metal Film, High Reliability	15
	±1	0.125 (0.166)											E24	-55 to +125	ERJ2BQ	Low Resistance	17
		0.1											E24,E96	-55 to +155	ERJ2RK	Precision	12
		0.1											E24,E96	-55 to +155	ERJS02/U02	Anti-Sulfurated	29
	±2	0.125 (0.25)											E24	-55 to +155	ERJ2BW	Low Resistance	17
		0.125 (0.166)											E24	-55 to +125	ERJ2BS/2BQ	Low Resistance	17
	±5	0.125 (0.25)											E24	-55 to +155	ERJ2BW	Low Resistance	17
		0.125 (0.166)											E24	-55 to +125	ERJ2BS/2BQ	Low Resistance	17
		0.1											E24	-55 to +155	ERJ2GE	General	10
		0.1											E24	-55 to +155	ERJS02/U01	Anti-Sulfurated	29
1608 (0603)	±0.05	0.1											E24	-55 to +155	ERA3A	Metal Film, High Reliability	15
	±0.1	0.1											E24	-55 to +155	ERA3A	Metal Film, High Reliability	15
	±0.5	0.1											E24	-55 to +155	ERA3A	Metal Film, High Reliability	15
		0.063 (0.1)											E24,E96	-55 to +125	ERJ3RB/3RE	Precision	12
		0.2											E24,E96	-55 to +155	ERJP03	Anti-Surge	25
	±1	0.1 (0.2)											Each 1 mΩ	-55 to +125	ERJL03	Low Resistance	17
		0.25											E24	-55 to +155	ERJ3BW	Low Resistance	17
		0.2 (0.25)											E24	-55 to +125	ERJ3BS/3BQ	Low Resistance	17
		0.1											E24	-55 to +125	ERJ3RS/3RQ	Low Resistance	17
		0.25											10 mΩ	-55 to +155	ERJM03	Metal Plate	20
		0.1											E24,E96	-55 to +155	ERJ3EK	Precision	12
		0.2											E24,E96	-55 to +155	ERJP03	Anti-Surge	25
		0.1											E24,E96	-55 to +155	ERJS03/U03	Anti-Sulfurated	29
	±2	0.25											E24	-55 to +155	ERJ3BW	Low Resistance	17
		0.2 (0.25)											E24	-55 to +125	ERJ3BS/3BQ	Low Resistance	17
		0.1											E24	-55 to +125	ERJ3RS/3RQ	Low Resistance	17
	±5	0.1 (0.2)											Each 1 mΩ	-55 to +125	ERJL03	Low Resistance	17
		0.25											E24	-55 to +155	ERJ3BW	Low Resistance	17
		0.2 (0.25)											E24	-55 to +125	ERJ3BS/3BQ	Low Resistance	17

Size mm (inch)	Tolerance (%)	Power Rating (70°C)(W)	Resistance Range (Ω)										Standard Resistance Value	Category Temp. Range (°C)	Type	Series	Page
1608 (0603)	±5	0.1											E24	-55 to +125	ERJ3RS/3RQ	Low Resistance	17
		0.25											10 mΩ	-55 to +155	ERJM03	Metal Plate	20
		0.1											E24	-55 to +155	ERJ3GE	General	10
		0.2											E24	-55 to +155	ERJP03	Anti-Surge	25
		0.1											E24	-55 to +155	ERJS03/U03	Anti-Sulfurated	29
2012 (0805)	±0.05	0.125											E24	-55 to +155	ERA6A	Metal Film, High Reliability	15
	±0.1	0.125											E24	-55 to +155	ERA6A	Metal Film, High Reliability	15
	±0.5	0.125											E24	-55 to +155	ERA6A	Metal Film, High Reliability	15
		0.1											E24,E96	-55 to +125	ERJ6RB/6RE	Precision	12
		0.25											E24,E96	-55 to +155	ERJP06	Anti-Surge	25
	±1	0.125 (0.25)											Each 1 mΩ	-55 to +125	ERJL06	Low Resistance	17
		0.33											E24	-55 to +155	ERJ6BW	Low Resistance	17
		0.25 (0.33)											E24	-55 to +125	ERJ6BS/6BQ	Low Resistance	17
		0.125											E24	-55 to +125	ERJ6RS/6RQ	Low Resistance	17
		0.125											E24,E96	-55 to +155	ERJ6EN	Precision	12
		0.25											E24,E96	-55 to +155	ERJP06	Anti-Surge	25
		0.33 (0.5)											E24	-55 to +155	ERJB3	High Power	22
		0.125											E24,E96	-55 to +155	ERJS06/U06	Anti-Sulfurated	29
	±2	0.33											E24	-55 to +155	ERJ6BW	Low Resistance	17
		0.25 (0.33)											E24	-55 to +125	ERJ6BS/6BQ	Low Resistance	17
		0.125											E24	-55 to +125	ERJ6RS/6RQ	Low Resistance	17
		0.33 (0.5)											E24	-55 to +155	ERJB3	High Power	22
	±5	0.125 (0.25)											Each 1 mΩ	-55 to +125	ERJL06	Low Resistance	17
		0.33											E24	-55 to +155	ERJ6BW	Low Resistance	17
		0.25 (0.33)											E24	-55 to +125	ERJ6BS/6BQ	Low Resistance	17
		0.125											E24	-55 to +125	ERJ6RS/6RQ	Low Resistance	17
		0.125											E24	-55 to +155	ERJ6GE	General	10
		0.25											E24	-55 to +155	ERJP06	Anti-Surge	25
		0.25											E24	-55 to +155	ERJT06	Anti-Pulse	27
		0.33 (0.5)											E24	-55 to +155	ERJB3	High Power	22
		0.125											E24	-55 to +155	ERJS06/U06	Anti-Sulfurated	29
3216 (1206)	±0.1	0.25											E24	-55 to +155	ERA8A	Metal Film, High Reliability	15
	±0.5	0.25											E24	-55 to +155	ERA8A	Metal Film, High Reliability	15
		0.33											E24,E96	-55 to +155	ERJP08	Anti-Surge	25
	±1	0.25 (0.33)											Each 1 mΩ	-55 to +125	ERJL08	Low Resistance	17
		0.5 (1)											E24	-55 to +155	ERJ8BW	Low Resistance	17
		0.33 (0.5)											E24	-55 to +125	ERJ8BS/8RS	Low Resistance	17

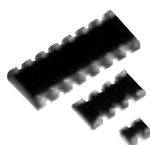
Size mm (inch)	Tolerance (%)	Power Rating (70°C)(W)	Resistance Range (Ω)								Standard Resistance Value	Category Temp. Range (°C)	Type	Series	Page
3216 (1206)	±1	0.25									E24	-55 to +125	ERJ8RS/8RQ	Low Resistance	17
		0.25									E24,E96	-55 to +155	ERJ8EN	Precision	12
		0.33									E24,E96	-55 to +155	ERJP08	Anti-Surge	25
		0.75 (1)									E24	-55 to +155	ERJB2	High Power	22
		0.25									E24,E96	-55 to +155	ERJS08/U08	Anti-Sulfurated	29
	±2	0.5 (1)									E24	-55 to +155	ERJ8BW	Low Resistance	17
		0.33 (0.5)									E24	-55 to +125	ERJ8BS/8BS	Low Resistance	17
		0.25									E24	-55 to +125	ERJ8RS/8RQ	Low Resistance	17
		0.75 (1)									E24	-55 to +155	ERJB2	High Power	22
	±5	0.25 (0.33)									Each 1 mΩ	-55 to +125	ERJL08	Low Resistance	17
		0.5 (1)									E24	-55 to +155	ERJ8BW	Low Resistance	17
		0.33 (0.5)									E24	-55 to +125	ERJ8BS/8BQ	Low Resistance	17
		0.25									E24	-55 to +125	ERJ8RS/8RQ	Low Resistance	17
		0.25									E24	-55 to +155	ERJ8GE	General	10
		0.33									E24	-55 to +155	ERJP08	Anti-Surge	25
		0.33									E24	-55 to +155	ERJT08	Anti-Pulse	27
		0.75 (1)									1mΩ Step /E24	-55 to +155	ERJB2	High Power	22
		0.25									E24	-55 to +155	ERJS08/U08	Anti-Sulfurated	29
3225 (1210)	±0.5	0.5									E24,E96	-55 to +155	ERJP14	Anti-Surge	25
	±1	0.33									Each 1 mΩ	-55 to +125	ERJL14	Low Resistance	17
		0.5									E24	-55 to +125	ERJ14BS/14BQ	Low Resistance	17
		0.25									E24	-55 to +125	ERJ14RS/14RQ	Low Resistance	17
		0.5									E24,E96	-55 to +155	ERJ14N	Precision	12
		0.5									E24,E96	-55 to +155	ERJP14	Anti-Surge	25
		0.5									E24,E96	-55 to +155	ERJS14/U14	Anti-Sulfurated	29
	±2	0.5									E24	-55 to +125	ERJ14BS/14BQ	Low Resistance	17
		0.25									E24	-55 to +125	ERJ14RS/14RQ	Low Resistance	17
	±5	0.33									Each 1 mΩ	-55 to +125	ERJL14	Low Resistance	17
		0.5									E24	-55 to +125	ERJ14BS/14BQ	Low Resistance	17
		0.25									E24	-55 to +125	ERJ14RS/14RQ	Low Resistance	17
		0.5									E24	-55 to +155	ERJ14Y	General	10
		0.5									E24	-55 to +155	ERJP14	Anti-Surge	25
		0.5									E24	-55 to +155	ERJT14	Anti-Pulse	27
		0.5									E24	-55 to +155	ERJS14/U14	Anti-Sulfurated	29
4532 (1812)	±1	0.5									Each 1 mΩ	-55 to +125	ERJL12	Low Resistance	17
		0.5									E24	-55 to +125	ERJ12RS/12RQ	Low Resistance	17
		0.75									E24,E96	-55 to +155	ERJ12N	Precision	12
		0.75									E24,E96	-55 to +155	ERJS12/U12	Anti-Sulfurated	29
	±2	0.5									E24	-55 to +125	ERJ12RS/12RQ	Low Resistance	17

Size mm (inch)	Tolerance (%)	Power Rating (70°C)(W)	Resistance Range (Ω)										Standard Resistance Value	Category Temp. Range (°C)	Type	Series	Page
4532 (1812)	±5	0.5	0.01	0.1	1	10	100	1k	10k	100k	1M	10M	Each 1 mΩ	-55 to +125	ERJL12	Low Resistance	17
		0.5											E24	-55 to +125	ERJ12RS/12RQ	Low Resistance	17
		0.75											E24	-55 to +155	ERJ12Y	General	10
		0.75											E24	-55 to +155	ERJS12/U12	Anti-Sulfurated	29
5025 (2010)	±1	0.5											Each 1 mΩ	-55 to +125	ERJL1D	Low Resistance	17
		0.5											E24	-55 to +125	ERJ12ZS/12ZQ	Low Resistance	17
		0.75											E24,E96	-55 to +155	ERJ12S	Precision	12
		1 (2)											E24	-55 to +155	ERJB1	High Power	22
		0.75											E24,E96	-55 to +155	ERJS1D/U1D	Anti-Sulfurated	29
	±2	0.5											E24	-55 to +125	ERJ12ZS/12ZQ	Low Resistance	17
		1 (2)											E24	-55 to +155	ERJB1	High Power	22
	±5	0.5											Each 1 mΩ	-55 to +125	ERJL1D	Low Resistance	17
		0.5											E24	-55 to +125	ERJ12ZS/12ZQ	Low Resistance	17
		0.75											E24	-55 to +155	ERJ12ZY	General	10
		1 (2)											E24	-55 to +155	ERJB1	High Power	22
		0.75											E24	-55 to +155	ERJS1D/U1D	Anti-Sulfurated	29
6432 (2512)	±1	1											Each 1 mΩ	-55 to +125	ERJL1W	Low Resistance	17
		1											E24	-55 to +125	ERJ1TRS/1TRQ	Low Resistance	17
		1											E24,E96	-55 to +155	ERJ1TN	Precision	12
		1											*	-55 to +170	ERJM1W	Metal Plate	20
		1.33											E24	-55 to +155	ERJA1	High Power	22
		1											E24,E96	-55 to +155	ERJS1T/U1T	Anti-Sulfurated	29
	±2	1											E24	-55 to +125	ERJ1TRS/1TRQ	Low Resistance	17
		1.33											E24	-55 to +155	ERJA1	High Power	22
	±5	1											Each 1 mΩ	-55 to +125	ERJL1W	Low Resistance	17
		1											E24	-55 to +125	ERJ1TRS/1TRQ	Low Resistance	17
		1											E24	-55 to +155	ERJ1TY	General	10
		1											*	-55 to +170	ERJM1W	Metal Plate	20
		1.33											E24	-55 to +155	ERJA1	High Power	22
		1											E24	-55 to +155	ERJS1T/U1T	Anti-Sulfurated	29

\* 1, 1.5, 2, 3, 4, 5, 6, 10, 15, 20 mΩ

### Chip Resistor Array

Resistance Range  
: 10 to 1 MΩ(E24)  
Resistance Tolerance : ±5%



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### Chip Resistor Networks

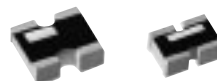
Resistance Range  
: 47 to 1 MΩ(E12)  
: 100 to 470 kΩ(E6)  
Resistance Tolerance : ±5%



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### Chip Attenuator

Attenuation Value  
: 1 to 6dB, 10dB  
Attenuation Value Tolerance  
: ±0.3dB, ±0.5dB



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### Fixed Metal (Oxide) Film Resistors, Surface Mount Type

Resistance Range  
: 22 m to 10 kΩ(E12)  
Resistance Tolerance  
: ±2%, ±5%



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