

10/100BASE TRANSFORMER



FEATURES

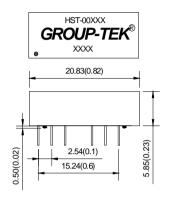
Designed to meet IEEE 802.3 requirements.

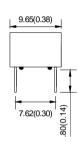
Primary inductance(Lp)350uHmin.@ 100KHz,0.1Vrms,8mA.

	Ele	ectrical S	pecificat	tion@25	Ope	rating Te	mperatu	re 0 to 70			
Part No.	Insertion loss (dB max)	(dB ty	n Ioss pical .) Hz	(dB	MRR min .) MHz	(dB r	s talk min .) Hz	Isolation Voltage	Package	Schematic	
	1-125MHz	0.1-60	60-100	0.1-60	60-100	0.1-60	60-100	(Vrms min)			
LIOT COADD	-1.1	-18TX	-13TX	-42TX	-40TX	40	00	4500			
HST-004DD	-1.1	/-17RX	/-15RX	/-40RX	/-35RX	-40	-38	1500	а	ı	
HST-005DT	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500		А	
H31-003D1	-1.1	/-17RX	/-15RX	/-40RX	/-35RX	-40	-30	1500	a	A	
HST-005DC	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	a	В	
1101-00000	-1.1	/-17RX	/-15RX	/-40RX	/-35RX	-40	-30	1000		D	
HST-005D	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	a	С	
1101 0000	-1.1	/-17RX	/-15RX	/-40RX	/-35RX	40	00	1000			
HST-005DD	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	а	D	
1101 00055	-1.1	/-17RX	/-15RX	/-40RX	/-35RX			1000	ű		
HST-005DH	-1.1	-18TX	-13TX	-42TX	-40TX	-38	-35	1500	a	К	
1101 000011	-1.1	/-17RX	/-15RX	/-38RX	/-32RX	00	00	1000	u		
HST-005DF	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	a	Е	
	-1.1	/-17RX	/-15RX	/-40RX	/-35RX		-38			_	
HST-005S	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	8 1500	b	С	
	-1.1	/-17RX	/-15RX	/-40RX	/-35RX			.000	Ü		
HST-005SF	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	b	E	
	-1.1	/-17RX	/-15RX	/-40RX	/-35RX			.000	~		
HST-006SF	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	b	J	
1101 00001	-1.1	/-17RX	/-15RX	/-40RX	/-35RX	.0		1000	Ü		
HST-005AS	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	С	С	
	-1.1	/-17RX	/-15RX	/-40RX	/-35RX			.000			
HST-005BS	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	С	F	
	-1.1	/-17RX	/-15RX	/-40RX	/-35RX				-	·	
HST-007D	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	а	G	
	-1.1	/-17RX	/-15RX	/-40RX	/-35RX		30	.500	<u> </u>		
HST-007S	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	b	G	
	-1.1	/-17RX	/-15RX	/-40RX	/-35RX		30	.500		G	
HST-011S	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	b	Н	
	-1.1	/-17RX	/-15RX	/-40RX	/-35RX		-30	1900		.,	

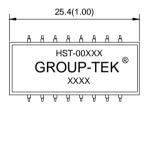
Dimension: mm(inch)+/-0.25(0.01)

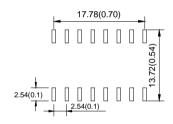
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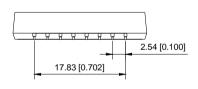


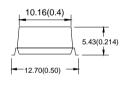


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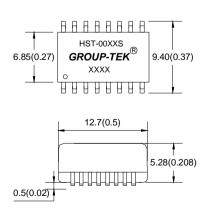


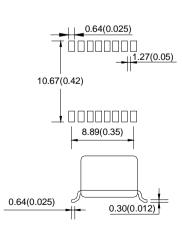






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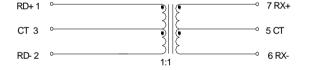


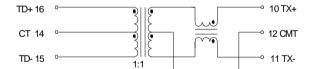
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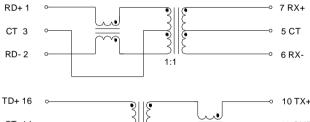
Schematic

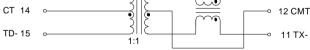
Α В 7 RX+ 7 RX+ RD+ 1 CT 3 5 CT 5 CT 6 RX-RD- 2 RD- 2 6 RX-1:1 TD+ 16 ○ 10 TX+ TD+ 16 ○ 10 TX+ CT 14 ° 12 CMT □ 12 CMT TD- 15 ○ 11 TX-TD- 15 11 TX-1:1

С D

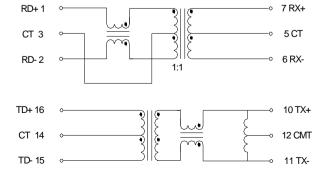


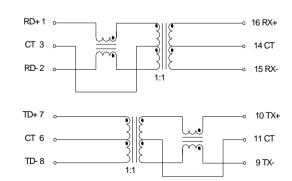






Ε F

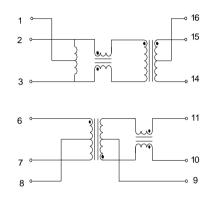




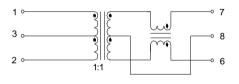
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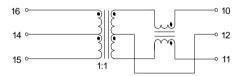
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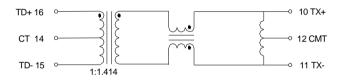


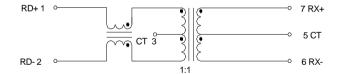
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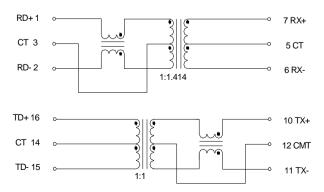


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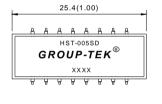


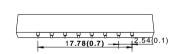
FEATURES

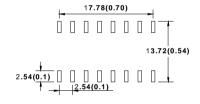
Designed to meet IEEE 802.3 requirements
Primary inductance(Lp)350uH min.
@ 100KHz 0.1Vrms 8mA

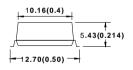
	Electrical Specification@25 Operating Temperature 0 to 70											
Part No.	Insertion loss			oturn la	oo(dD r	min)	CMRR		Crosstalk	Isolation		
	(dB max)	Rise Time	Return Ioss(dB min) MHz				(dB min .)		(dB min .)	Voltage		
Fait No.		(ns typical)					MHz		MHz	(Vrms min)		
			1-30	40	50	60-80	1-60	60-100	1-100	(VIIIIS IIIIII)		
HST-005SD	-1.0	2.5	-18	-16	-16	-12	-36	-33	-38	1500		

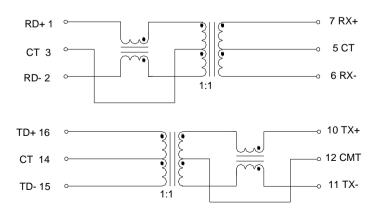
Dimension: mm(inch)+/-0.25(0.01)











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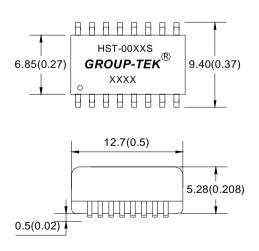
FEATURES

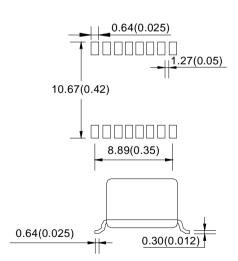
Designed to meet IEEE 802.3 requirements
Primary inductance(Lp)350uH min.
@ 100KHz 0.1Vrms 8mA

Hipot:1500Vrms

		El	ectrical Specifi	cation	perating Temperature 0 to 70								
Part No.	Part No. Turns Ratio		Insertion loss urns Ratio (dB max)		Return Ioss (dB typical .) MHz		Differential to Common Mode Rejection (dB typ)			Crosstalk			Schematic
	TX	RX	100KHz-100MHz	30MHz	60MHz	80MHz	30MHz	50MHz	100MHz	30MHz	60MHz	100MHz	
HST-0041S	1:1	1:1	1.1	-20	-14	-11.5	-42	-37	-33	-45	-40	-35	Α
HST-0042S	1:1	1:1	1.0	-18	-14	-12	-40	-40	-40	-35	-35	-35	В
HST-0043S	1:1.414	1:1	1.1	-18	-12	-11.5	-42	-37	-30	-45	-40	-35	А
HST-0044S	1:1	1:1	1.1	-20	-14	-11.5	-42	-37	-33	-45	-40	-35	С

Dimension: mm(inch)+/-0.25(0.01)



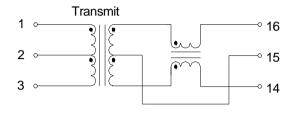


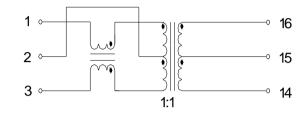


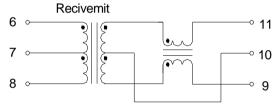
Schematic

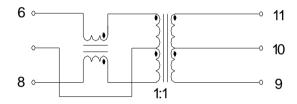
Α

В

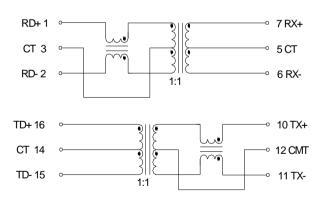








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FEATURES

Designed to meet IEEE 802.3 requirements

Designed to meet IR Requirement

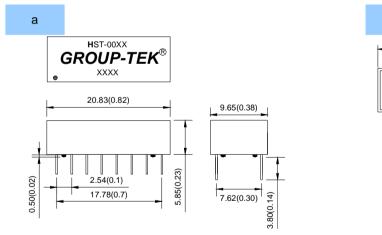
Primary inductance(Lp):Pin(1-2)=350uH min

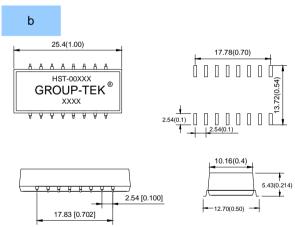
Pin(16-15)=1.4mH min

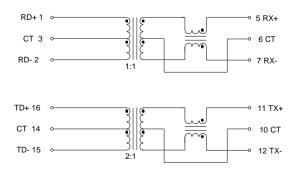
Turn Ratio:Pin(1-2)=1CT:1CT.Pin(16-15)=2CT:1CT

	Electrical Specification@25						Operating Temperature 0 to 70					
Part No.	Insertion loss (dB max) 1-125MHz	Rise Time (ns typical)	Return Ioss (dB typical .) MHz		CMRR (dB min .) MHz		Crosstalk (dB min .) MHz		Isolation Voltage (Vrms min)	Package		
			0.1-60	60-100	0.1-60	60-100	0.1-60	60-100	(VIIIIS IIIIII)			
HST-006D	-1.1	2.5	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	а		
1131-000D	-1.1		/-17RX	/-15RX	/-40RX	/-35RX	-40	-30	1300			
HST-006S	-1.1	2.5	-18TX	-13TX	-42TX	-40TX	-40	38	1500	b		
HS1-006S			/-17RX	/-15RX	/-40RX	/-35RX	-40	30	1300			

Dimension: mm(inch)+/-0.25(0.01)











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Designed to meet IEEE 802.3 requirements Primary inductance(Lp): Pin(1-2)=350uH min

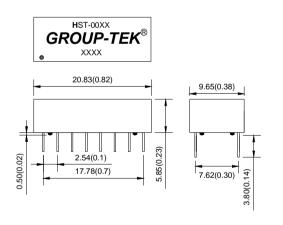
Pin(16-15)=1.0mH min

Turn Ratio:RX=1CT:1CT,TX=1.41CT:1CT

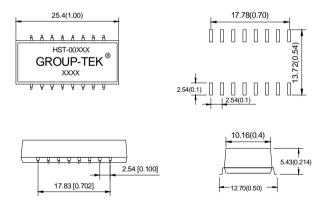
	Ele	ectrical Spec	ification@25	5 Opera	ting Temp	erature 0 t	o 70			
Part No.	Insertion loss (dB max) 1-125MHz	Rise Time (ns typical)	(dB ty	Return loss (dB typical .) MHz		CMRR (dB min.) MHz		Crosstalk (dB min .) MHz		
			0.1-60	60-100	0.1-60	60-100	0.1-60	60-100		
HST-008D	-1.1	2.5	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	
1131-000D	-1.1	2.5	/-17RX	/-15RX	/-40RX	/-35RX	-40	-36		
HST-008S	-1.1	2.5	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	
HS1-008S		2.5	/-17RX	/-15RX	/-40RX	/'-35RX	-40	-36		

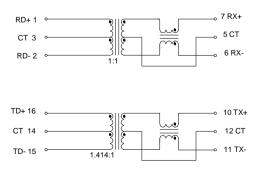
Dimension: mm(inch)+/-0.25(0.01)

HST-008D



HST-008S







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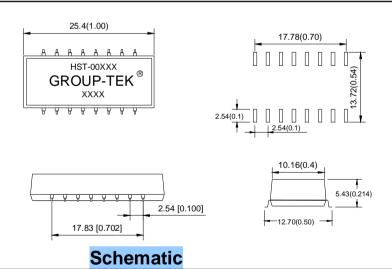
Designed to meet IEEE 802.3 requirements

Designed to meet IR Requirement

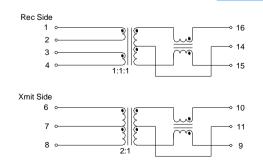
Environmental :At 250 for 1 minute

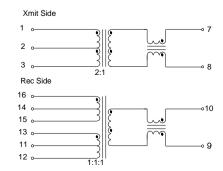
	Electrical S	Specification@	25 O	perating Te	emperature (0 to 70			
Part No.	Insertion Loss (dB max) 1-125MHz	Return I (dB typic MHz	al.)	(dB	MRR 3 min.) MHz	Crosstalk (dB min .) MHz		Isolation Voltage (Vrms min)	
	1-1231/11/12	0.1-60	60-100	0.1-60	60-100	0.1-60	60-100	(VIIII3 IIIIII)	
HST-009S	-1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	4500	
НЗ1-0093	-1.1	/-17RX	/-15RX	/-40RX	/-35RX	-40	-30	1500	
HST-010S	1.1	-18TX	-13TX	-42TX	-40TX	-40	-38	1500	
	-1.1	/-17RX	/-15RX	/-40RX	/'-35RX	-40		1500	

Dimension: mm(inch)+/-0.25(0.01)



HST-009S HST-010S





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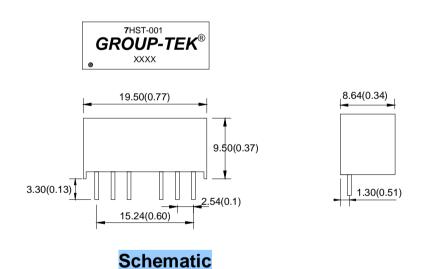
FEATURES

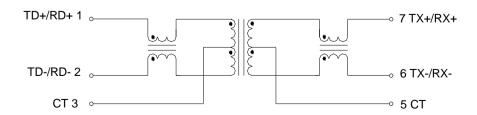
Designed to meet IEEE 802.3 requirements
7Pin Sip package
Primary inductance(Lp):350uH min.@ 100KHz 0.1Vrms 8mA
Turn Ratio:1CT:1CT

	Electrical Specification@25 Operating Temperature 0 to 70										
Part No. (dB max)		Rise Time (ns typical)	Return loss (dB typical) MHz		CMRR (dB min.) MHz		Crosstalk (dB min .) MHz		Isolation Voltage (Vrms min)		
			0.1-60	60-100	0.1-60	60-100	0.1-60	60-100	, ,		
7HST-001	-1.1	2.5	-16	-14	-45	-40	NA	NA	1500		

Dimension: mm(inch)+/-0.25(0.01)

7HST-001D







FEATURES

Designed to meet IEEE 802.3 requirements . Primary inductance(Lp)350uH min.@ 100KHz 0.1Vrms 8mA

	Electrical Specification@25 Operating Temperature 0 to 70										
Part No. (dB max) 0.1-100MHz	,	Rise Time (ns typical)	Return loss (dB typical .) MHz			CMRR (dB min .) MHz		Crosstalk (dB min .) MHz		Isolation Voltage (Vrms min)	
	0.1 100101112		1-30	60	80	1-60	60-100	1-60	60-100	(viiio iiiii)	
HST-1601D	-1.1	2.5	-18	16	-13	-40	-35	-40	-38	1500	

Dimension: mm(inch)+/-0.25(0.01)

