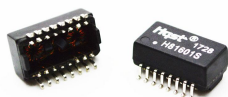


10/100BASE-T TRANSFORMER MODULES

Part NO:H81601S



Features:



This is a RoHS compliant component, All engineering changes must have prior approval by the design center

Plastic: Thermoset plastic material with flammability rating UL 94V-0 or better

Solderability: Conforms to ANSI/J-STD-002, 245°C reflow peak temperature per IPC/EIA J-STD-003A

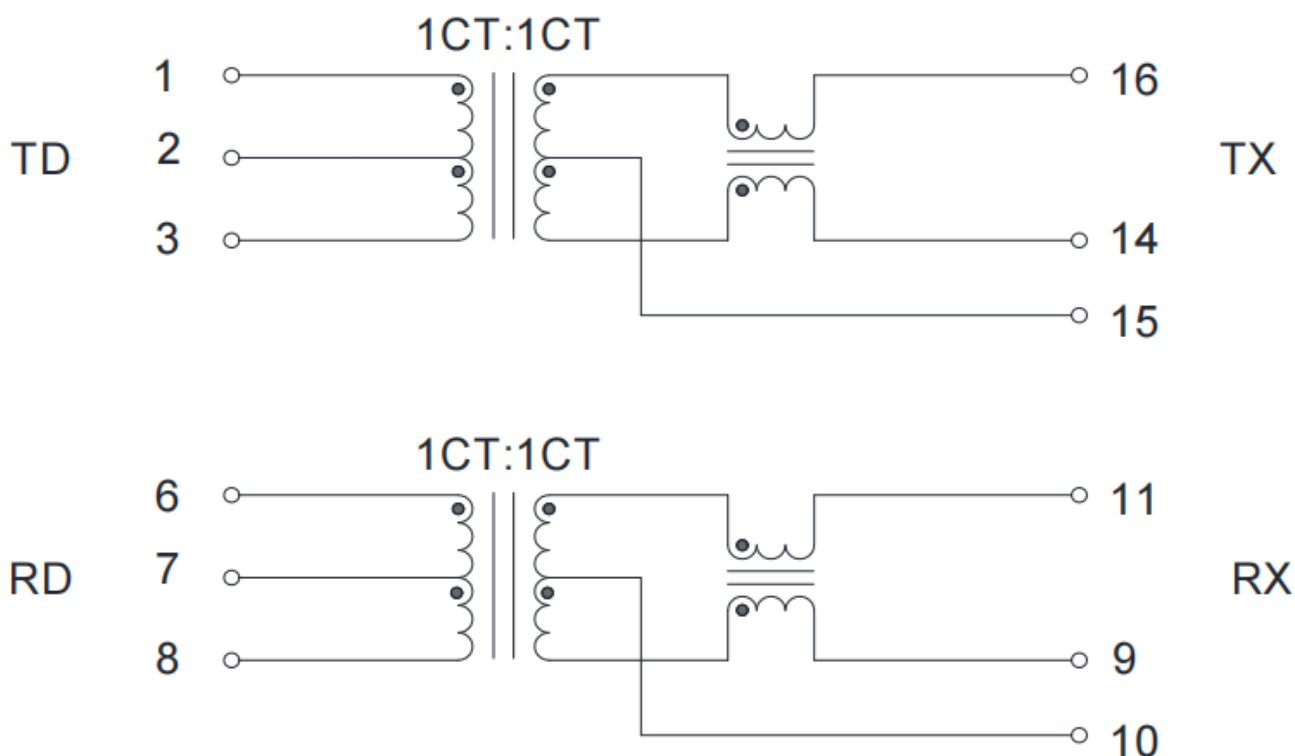
Operating temperature: 0°C ~ +70°C

Storage temperature: -40°C ~ +85°C

Specifications

Electrical Specification@25° C Operating Temperature 0°C~+70°C									
Part NO	Trun Ratio(±2%)		OCL primary@10 0KHz 0.1Vms		Leakage primary@10 KHz 0.1Vms	Cww(Pri:Sec)	DCR(Ω)		
	TX	RX					Primary	Secondary	
H81601S	1CT:1CT	1CT:1CT	350uH Min		0.5uH max	35PF	0.9Max	1.2Max	
Electrical Specification@25° C Operating Temperature 0°C~+70°C									
Part NO	Insertion loss(dB max) 1-100MHz	Return Loss(db min)MHz				CMRR(dB min)MHz		Crosstalk(dB min)MHz	Isolation Voltage(Vrms min)
		1-30	40	50	60-100	1-60	60-100	1-100	
H81601S	-1.2	-18	-14	-13	-12	-40	-35	-40	1500

Schematic

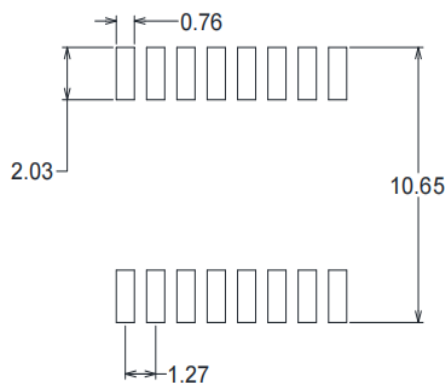
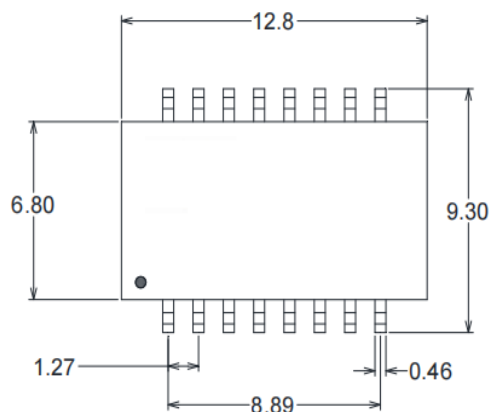


10/100BASE-T TRANSFORMER MODULES

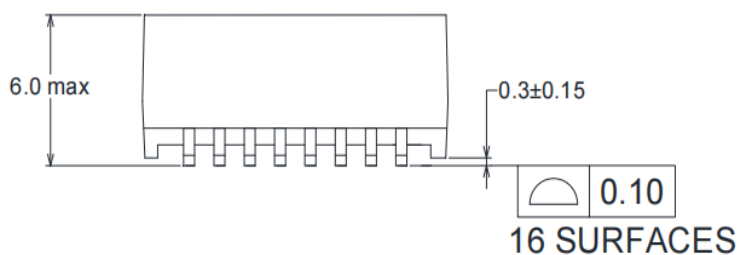
Part NO:H81601S



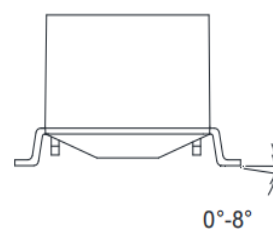
Mechanical:



SUGGESTED PAD LAYOUT



16 SURFACES



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