

100/1000BASE-TX TRANSFORMER MODULES

PartNO: H82012D



Features:

Notice : This is a RoHS compliant component, All engineering changes must have prior approval by the design cent
Quad Port transformer Modules(100/1000Base-TX) for Auto MDI/MDIX application.

Designed to meet IEEE802.3& ANSI X3.263 requirement.

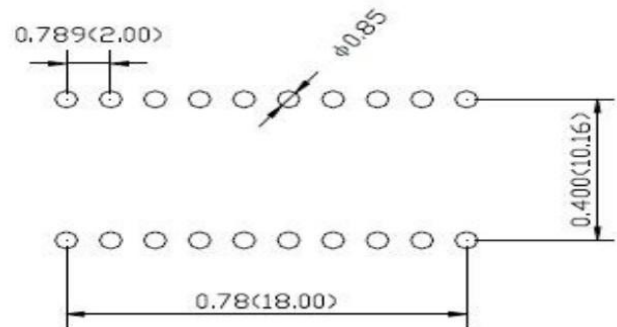
Available in Through Hole package.

Designed to meet IR 255°C peak requirement

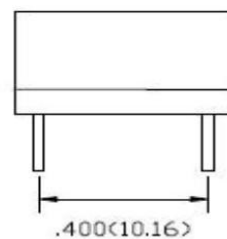
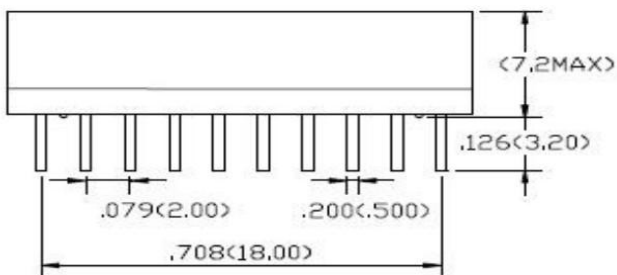
Storage temperature range: -25°C TO +125

OPERATING TEMPERATURE:0° C~+70° C

Dimension



SUGGESTED PAD layout



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Specifications

Electrical Specification@25° C Operating Temperature 0 to +70° C							
Part NO	Trun Ratio(±5%		OCL primary@10 0KHz 0.1Vms	Leakage primary@10 KHz 0.1Vms	Cww(Pri:Sec)100 KHz 0.2V	DCR(Ω)	
	TX	RX				Primary	Secondary
H82012D	1CT:1CT	1CT:1CT	350uH Min	0.5uH max	100pF Typ	1.2Max	1.2Max

Electrical Specification@25° C Operating Temperature 0 to +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		
H82012D	-1.1	-18	-18	-16	-12	-50	-50	-50	1500

Schematic

