Transformer Extended Temperature

ALAN-101

FEATURES:

- Meet IEEE802.3 specification
- Extended Temperature (-40°C +85°C)
- ROHS peak reflow temperature rating 230°C
- 1500Vrms Hi-Pot

RoHS/RoHS II Compliant

> APPLICATIONS:

- Designed for most leading PHY IC manufacturers such as Broadcom, Marvell, Micrel, & Microsemi
- 10/100Base-T Ethernet-LAN
- VoIP
- Symmetrical Tx & RX channles for Auto MDI/MDIX capability
- Provides signal conditioning, EMI suppression and signal isolation.
- Hubs/Switches/Routers/Servers/NIC Cards

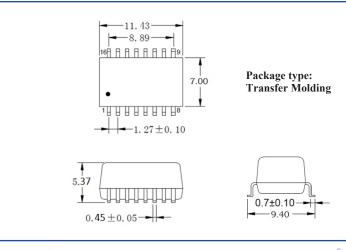
Parameters	Minimum	Typical	Maximum	Units	Notes
Operating Temperature	-40		+85	°C	
Storage Temperature	-40		+85	°C	
Turn Ratio (± 2%)		1CT:1CT			
Inductance (OCL)	350			μΗ	100KHz/0.1V@8mA
Leakage Inductance (LL)			0.5	μH	100KHz/0.1V
Cw/w			30	pF	100KHz/0.1V
DC Resistance			1.2	Ω	
Insertion Loss			-1.1	dB	0.1-100MHz
Return Loss		-18		dB	30MHz
		-14			60MHz
		-11.5			80MHz
Cross Talk		-45		dB	30MHz
		-40			60MHz
		-35			100MHz
Differential to Common Mode Rejection		-42			30MHz
		-37		dB	50MHz
		-33			100MHz
Common Mode Rejection	-30			dB	1-100MHz
Hi-Pot	1500Vrms/0.5mA/60Sec or 1650Vrms/0.5mA/2Sec				

OUTLINE DRAWING:

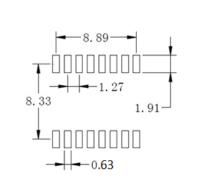
ABRACON IS

ISO9001:2015

CERTIFIED



BRACON



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For terms and conditions of sale please visit:

REVISED: 03.18.2020

Recommended Land Pattern

..... 11.43 x 9.24 x 5.37 mm

STANDARD SPECIFICATIONS:

Key Electrical Specifications @ 25°C

10/100 Base-T Single Port LAN

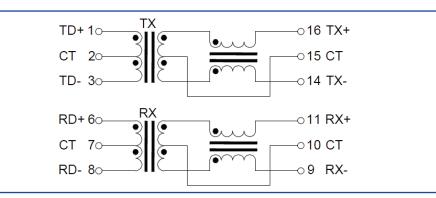
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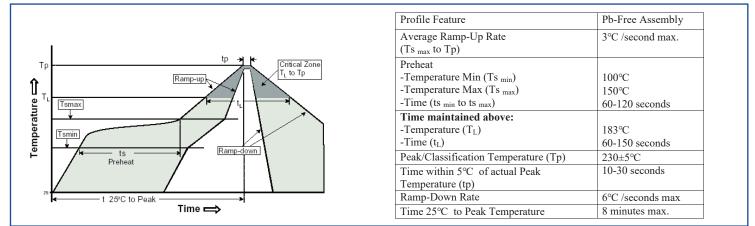
RoHS/RoHS II Compliant

11.43 x 9.24 x 5.37 mm

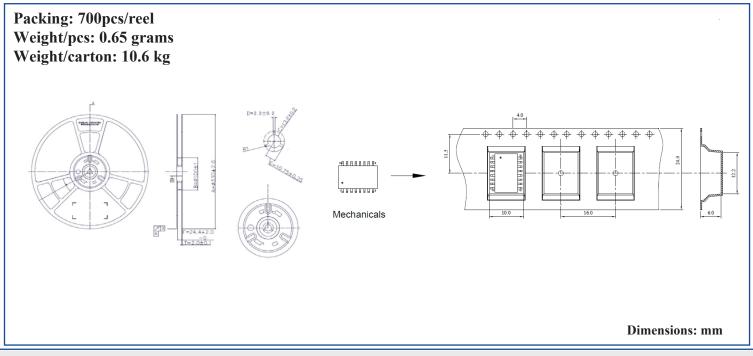
SCHEMATIC:



REFLOW PROFILE:



▷ TAPE & REEL:



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