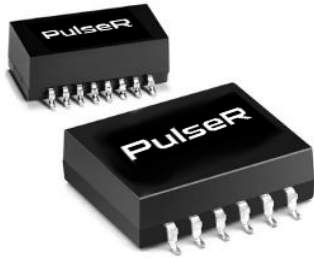


ISOLATION TRANSFORMER FOR 10BASE-T

Ruggedized



- R Compliant with IEEE 802.3 Specification
- R Operating temperature: -55°C to +125°C
- R IC grade transfer-molded package withstands 235°C peak temperature profile
- R Moisture Sensitivity Level: 3

Electrical Specifications @ 25°C

PartNumber	TurnRatio (±5%)	Primary Pins	Primary Inductance OCL (μH MIN)	Primary ET-Constant (V-μs MIN)	Interwinding Capacitance C _{ww} (pF MAX)	Leakage Inductance LL (μH MAX)	DCR (Ω MAX)	Hipot (Vrms)
100B-1005	1:1	1-2/4-5/7-8	60	1.8	12	0.20	0.40	2000
100B-1006	1:1	1-2/4-5/7-8	60	1.8	12	0.20	0.40	2000

Notes:

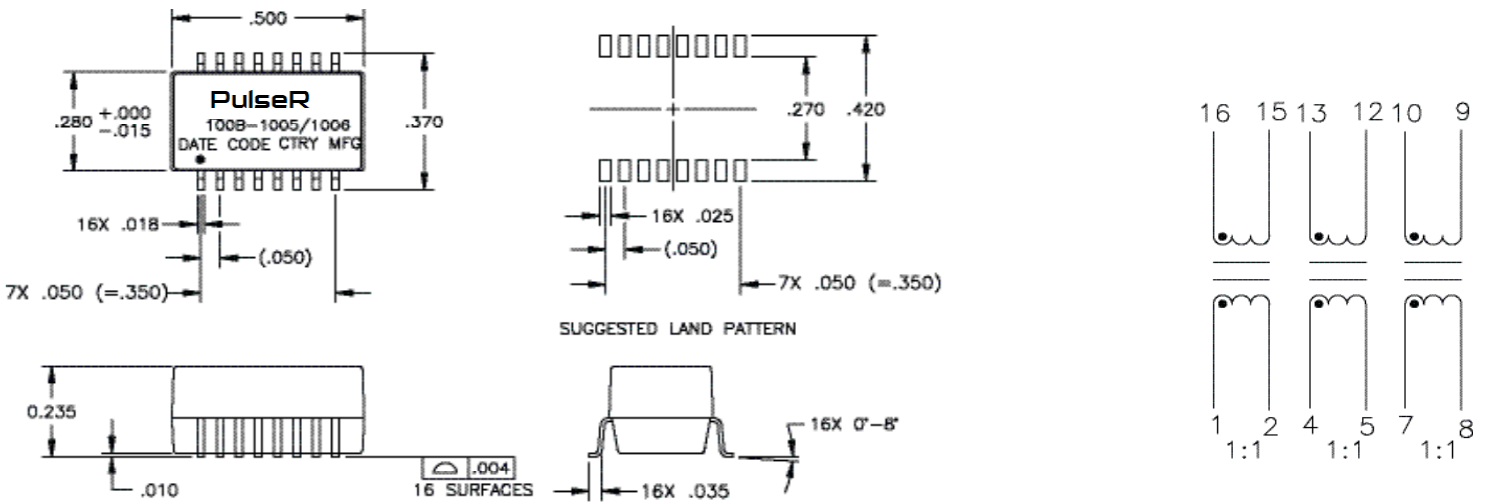
1) OCL, C_{ww} and LL are measured at 20mVrms, 100kHz.

2) For Tape & Reel packaging, add the suffix "T" to the end of the part number when ordering, e.g. 100B-1005T.

Mechanicals

Schematic

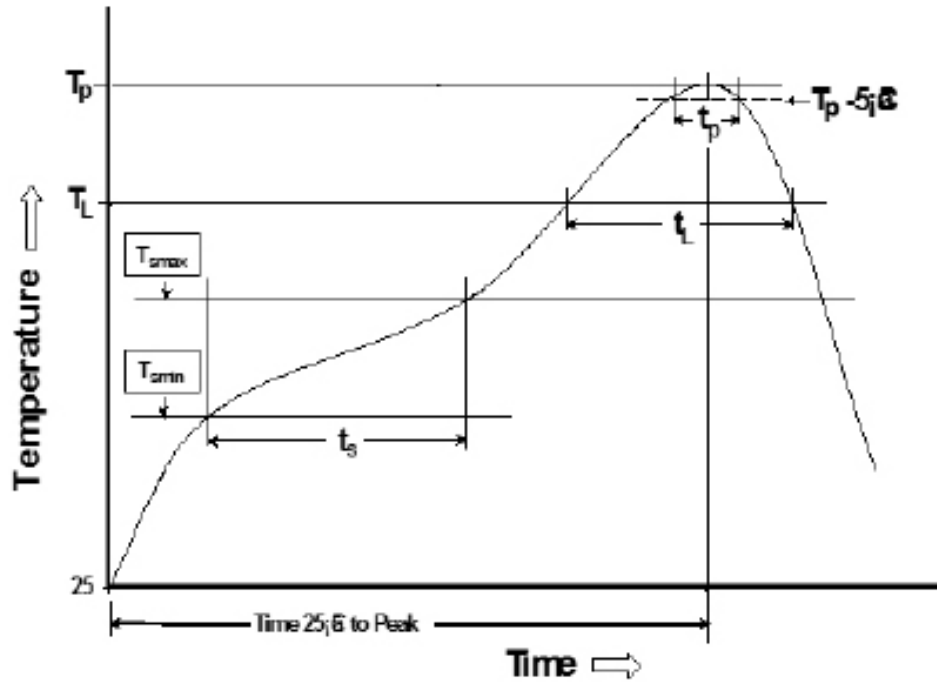
100B-1005/1006



Weight.....1.70 grams
 Tape & Reel..... 600/reel
 Tube..... 40/tube

Dimensions: Inches
 mm
 Unless otherwise specified,
 all tolerances are ± .010
 0,25

Tin/Lead Recommended Reflow Profile (Based on J-STD-020D)



T_{SMIN} (°C)	T_{SMAX} (°C)	T_L (°C)	T_P (°C MAX)	t_s (s)	t_L (s)	t_p (s MAX)	Ramp-up rate (T_L to T_P)	Ramp-down rate (T_P to T_L)	Time 25°C to peak temperature (s MAX)
100	150	183	235	60-120	60-150	20	3°C/s MAX	6°C/s MAX	360

Notes:

1. All temperatures measured on the package leads.
2. Maximum times of reflow cycle: 2.

For More Information

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