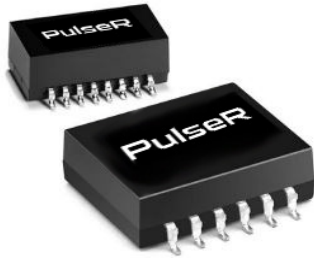


ISOLATION TRANSFORMER FOR 10BASE-T

Ruggedized

PulseR
Ruggedized Solutions



-  Compliant with IEEE 802.3 Specification
-  Operating temperature: -55°C to +125°C
-  IC grade transfer-molded package withstands 235°C peak temperature profile
-  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 Cww (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:

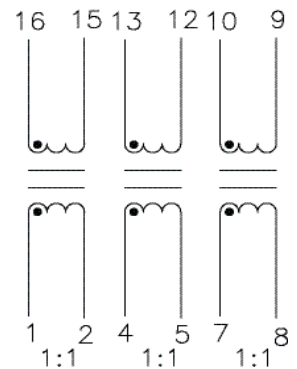
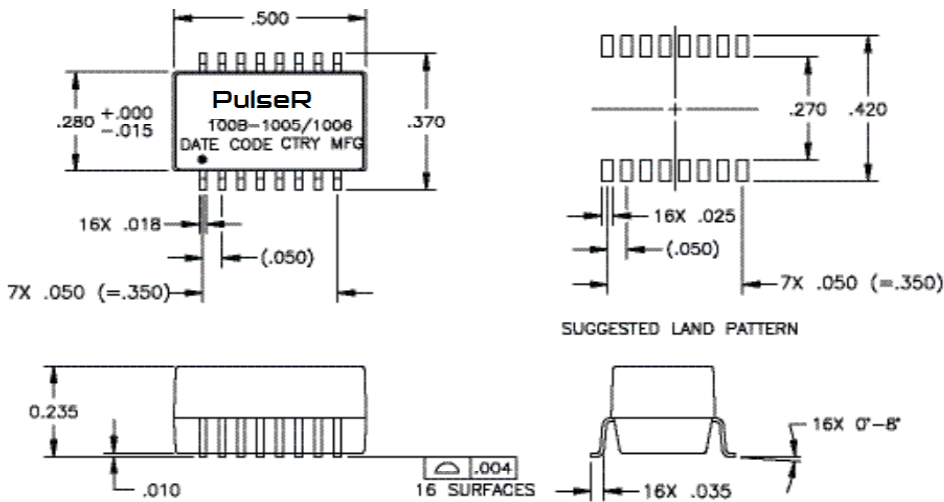
1) OCL, Cww and LL are measured at 20mVrms, 100kHz.

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

Mechanicals

Schematic

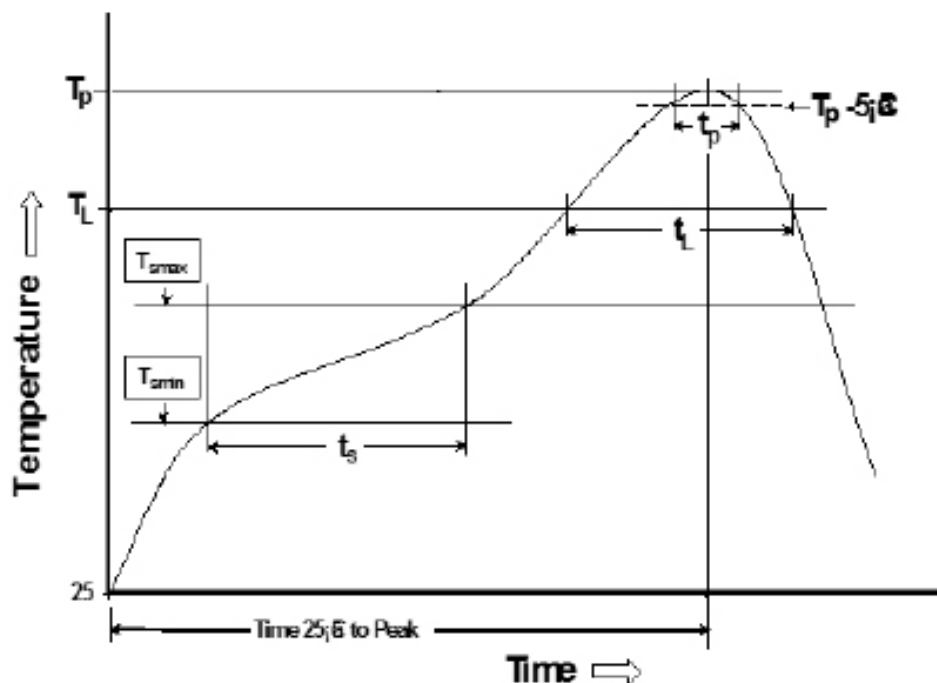
100B-1005/1006



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

PulseR North America
 Headquarters
 Two Pearl Buck Court
 Bristol, PA 19007
 U.S.A.

For Global Sales Representatives and Locations Visit:
<http://www.pulseruggedized.com>

Tel: +1.215. 781. 6400
 Fax: +1.215. 781. 6403

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2018. PulseR, LLC. All rights reserved.