

SMT COMMON MODE INDUCTOR

Ruggedized



- ⚙ Dielectric Strength: Up to 15 A
- ⚙ Pick-and-place Compatible
- ⚙ Designed for dc/dc Converters
- ⚙ Moisture Sensitivity Level : 1

Electrical Specifications @ 25 °C – Operating Temperature – 40 °C to +120 °C

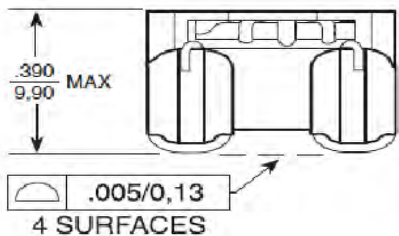
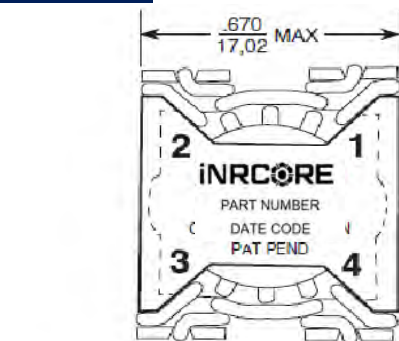
Part Number	Inductance (mH± 35%)	Rated (A)	Turn Ratio (± 2%)	DCR (μΩ MAX)	Dielectric Withstanding Voltage @6s MIN (Vrms)	Quantity in Tube
PL1241	0.768	4.7	1.0	40	6.2	30
PL1241-1	0.768	4.7	1.0	40	6.2	30

- Notes:
1. Leakage inductance tested to 100 kHz, 1140 mV, (1-2) with (3-4) shorted.
 2. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. PL1241 becomes **PL1241T**).

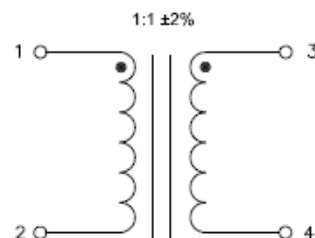
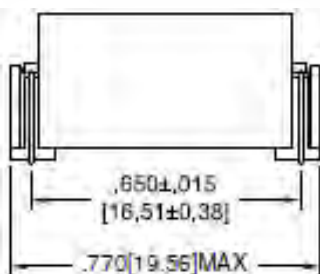
Mechanical

Electrical Schematic

PL1241-1



Part hardened for aerospace use.



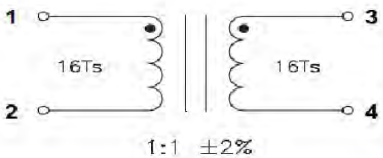
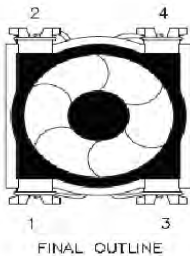
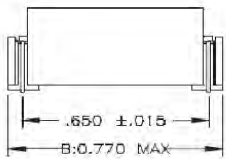
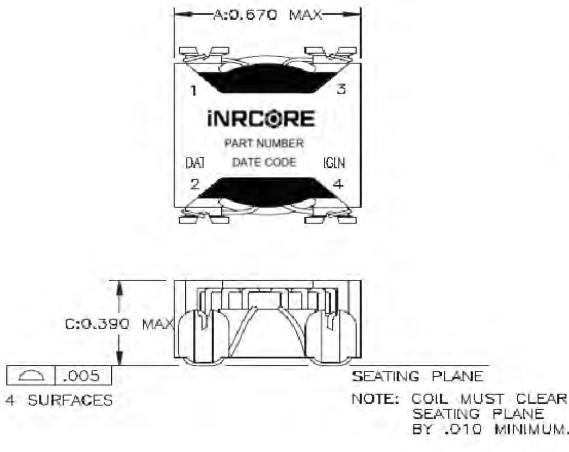
Dimensions: Inches
mm
Unless otherwise specified,
all tolerances are ± .010
0.25



Mechanical

Electrical Schematic

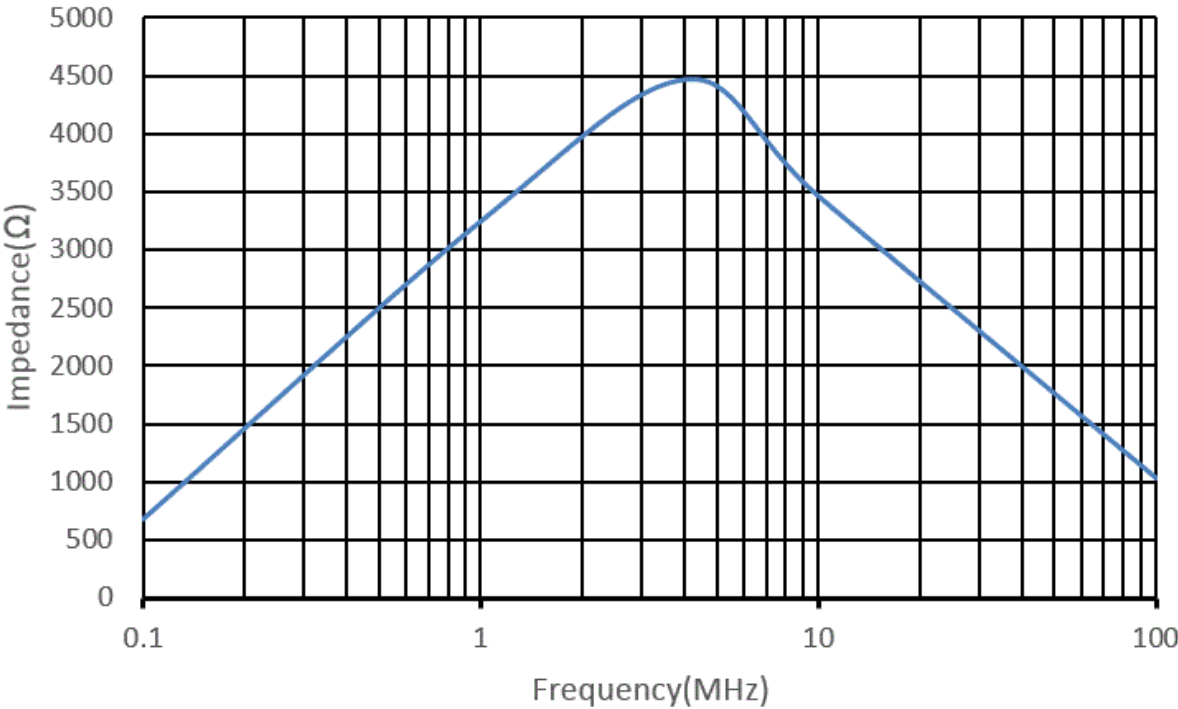
PL1241



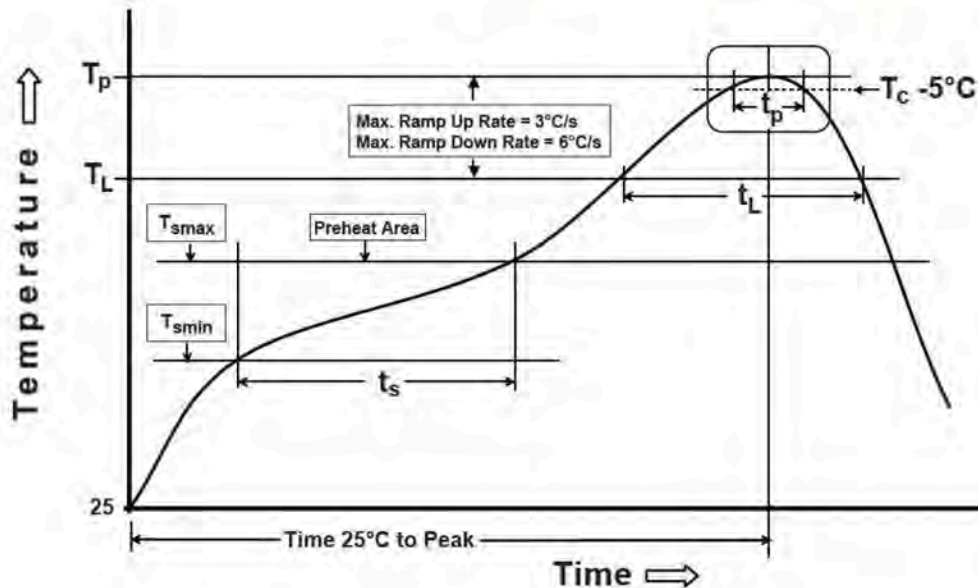
Dimensions: Inches
mm
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 $0,25$

Impedance Curve

PL1241NL/ PL1241-1NL



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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