SMT COMMON MODE INDUCTORS

Toroid - Ruggedized
0.5A to 3.6A

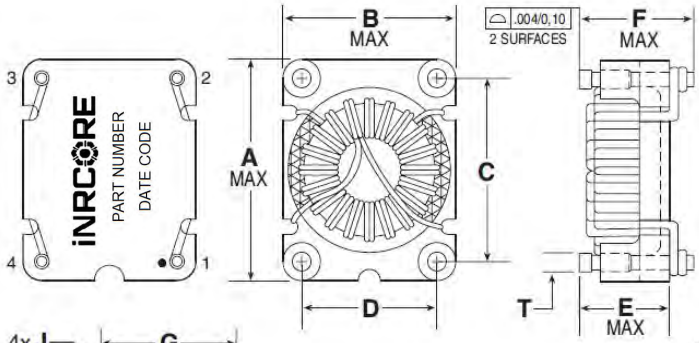
- Ruggedized header with POGO pins for secure board mounting
- Rated voltage 250V_{AC}
- Low RFI toroid
- Moisture Sensitivity Level: 1

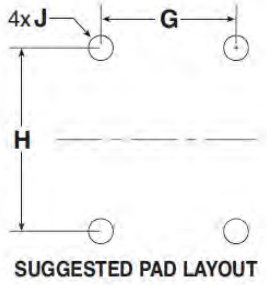
Electrical Specifications @ 25 °C – Operating Temperature – 55 °C to +130 °C

Part [8] Number	Inductance @ Irated (mH +/- 30%)	Irated (A)	DCR (MAX) (mΩ)	SRF (MHz)	Impedance Curve (See below)	Size Code	Weight (Grams)	Quantity in Tube
PL8800	1.0	3.60	50	4	1	POGO 50	7.1	30
PL8801	1.5	1.50	60	2	2	POGO 40	2.5	30
PL8802	3.0	2.50	80	2.2	3	POGO 50	7.1	30
PL8803	10.0	1.00	450	0.5	4	POGO 40	3.0	30

Note: 1. Option Tape & Reel packaging can be ordered by adding a "T" suffix to the part numer (i.e. PL8800, becomes PL8800T.) Pulse complies to industry standard tape and reel specification EIA481.

Mechanicals



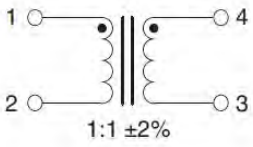


SUGGESTED PAD LAYOUT

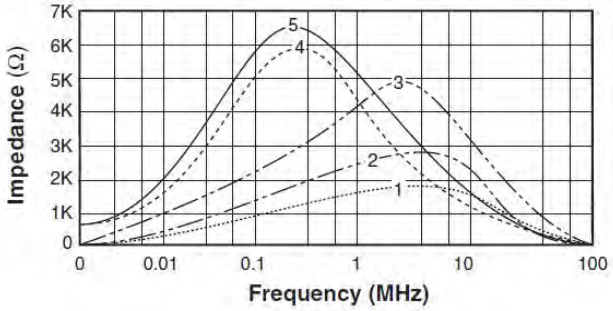
Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

Electrical Schematic

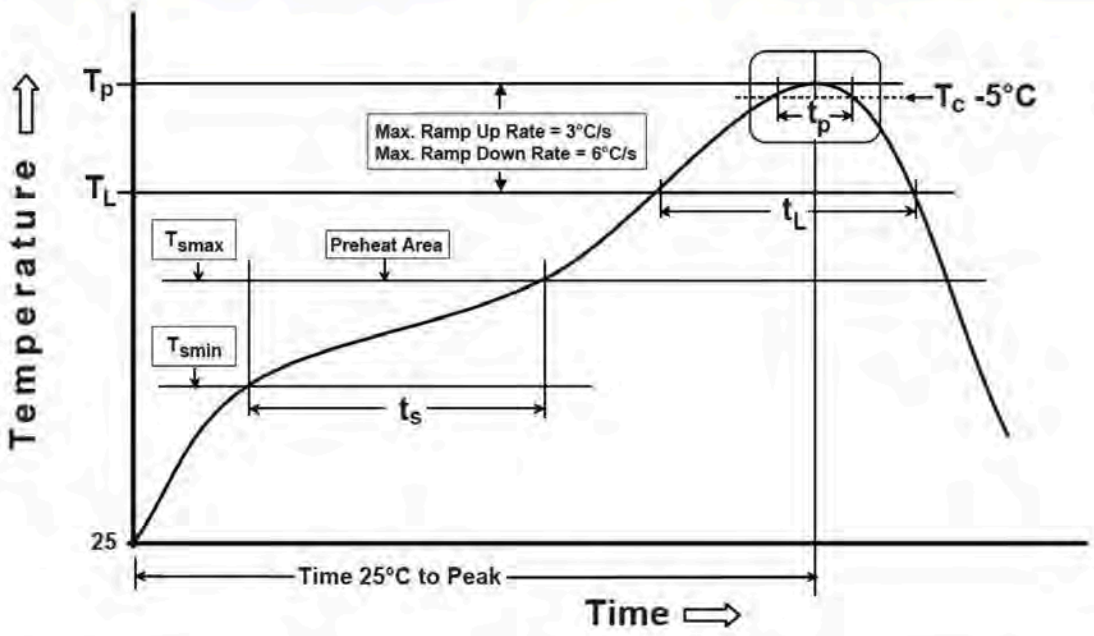


Impedance Curves



Size	A	B	C	D	E	F	G	H	J	T
POGO 40	.725/18,42	.575/14,61	.600/15,24	.450/11,43	.310/7,87	.380/9,65	.450/11,43	.600/15,24	.082/2,08	.062/1,57
POGO 50	.910/23,11	.700/17,78	.730/18,54	.520/13,21	.400/10,16	.510/12,95	.520/13,21	.730/18,54	.145/3,68	.125/3,18

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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