

SIGNAL ISOLATION SMT TRANSFORMER

Ruggedized

- ⊗ Isolation Voltage: 3kVrms
- ⊗ Operating Temperature: -55°C to +125°C
- ⊗ Storage Temperature: -55°C to +125°C
- ⊗ Lead Finish: Sn63/Pb37
- ⊗ Moisture Sensitivity Level: 3

Electrical Specifications @ 25°C

Part Number	Turns Ratio (Pri:Sec ±2%)	Primary Inductance (mH MIN)	DCR (Ω MAX)	Leakage Inductance (μH MAX)	C _{ww} (pF MAX)	Cd Pri @10MHz (pF MAX)	Primary Pins
X-1620	1CT:1CT	1	0.80	1.20	25	10	1 - 3

NOTES:

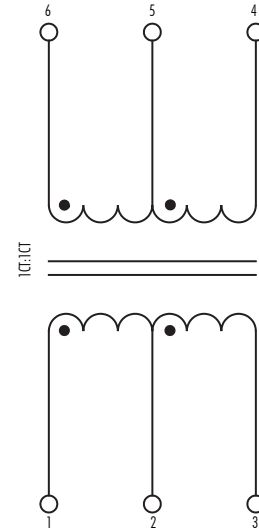
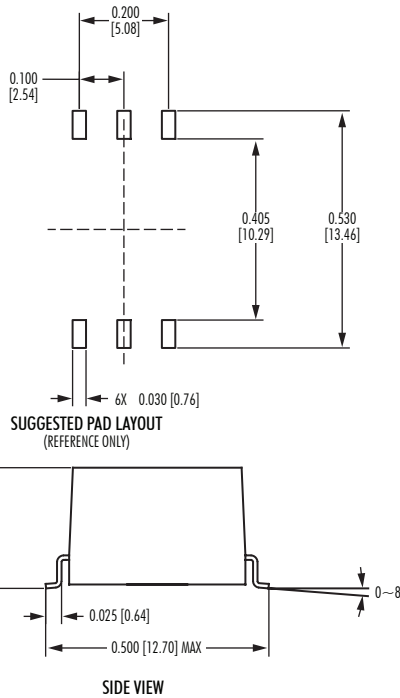
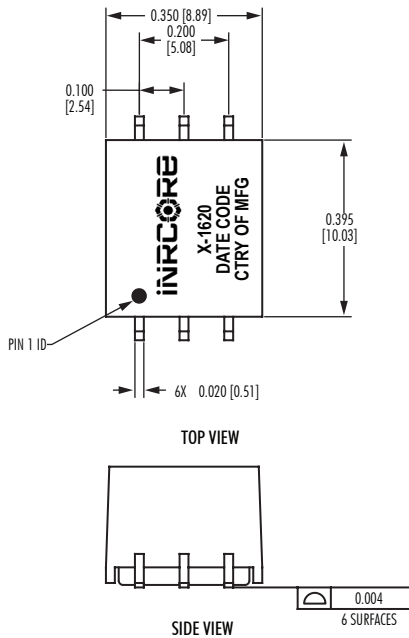
1. Add suffix "NL" for RoHS compliant version; i.e. X-1620 becomes X-1620NL. NL parts have 100% SN Lead Finish.
2. For Tape & Reel packaging, add "T" suffix at the end of the part number: i.e. X-1620T.

Mechanicals

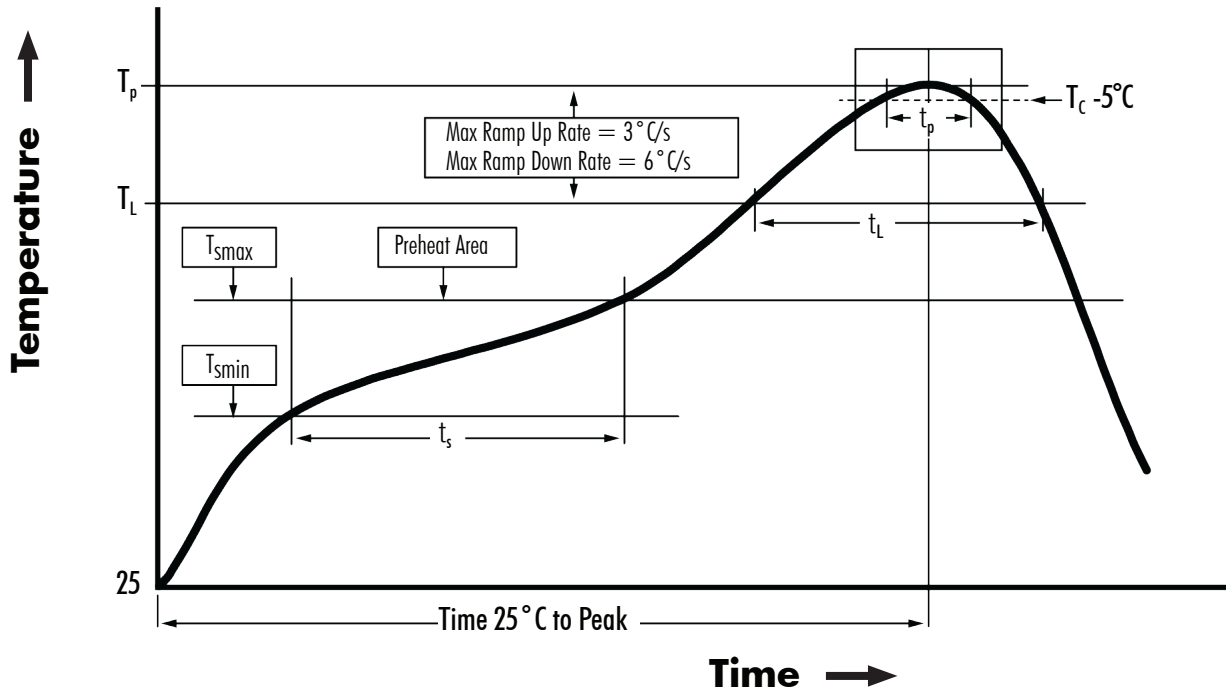
Electrical Schematics

X-1620

Dimensions: inch [mm]
Tolerance (unless otherwise specified): ±0.010 [0.25]



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)
Tin/Lead Profile									
100	150	183	220	60 - 120	60 - 150	20	3°C/s MAX	6°C/s MAX	360
Non-Lead Profile									
150	200	217	245	60 - 120	60 - 150	30	3°C/s MAX	6°C/s MAX	480

NOTES:

1. All temperatures measured on the package leads.
2. Maximum number of reflow cycles not to exceed 2.

