

GATE DRIVE TRANSFORMER

Ruggedized



- 60V - μ sec MAX
- Operating & Storage Temperature: -55°C to +125°C
- Lead Finish: Sn63/Pb37
- Moisture Sensitivity Level: 3

Electrical Specifications @ 25°C

Part Number	Turns Ratio 100KHz, 1Vrms ($\pm 2\%$)	ET ³ (V ² μ sec) MAX	Inductance 100KHz, 90mVrms (μ H MIN)	Leakage Inductance 100KHz, 90mVrms (μ H MAX)	DCR (Ω MAX)			DWV @6S, 60Hz (Vrms)
					(1-8)	(3-6)	(4-5)	
	(1-8):(3-6):(4-5)	(1-8)	(1-8)	(1-8) with (3,4,5,6) shorted	(1-8)	(3-6)	(4-5)	1 to (3,4)
X-1622	1:1:1	60	1400	1.5	1.60	1.60	1.60	1500

NOTES:

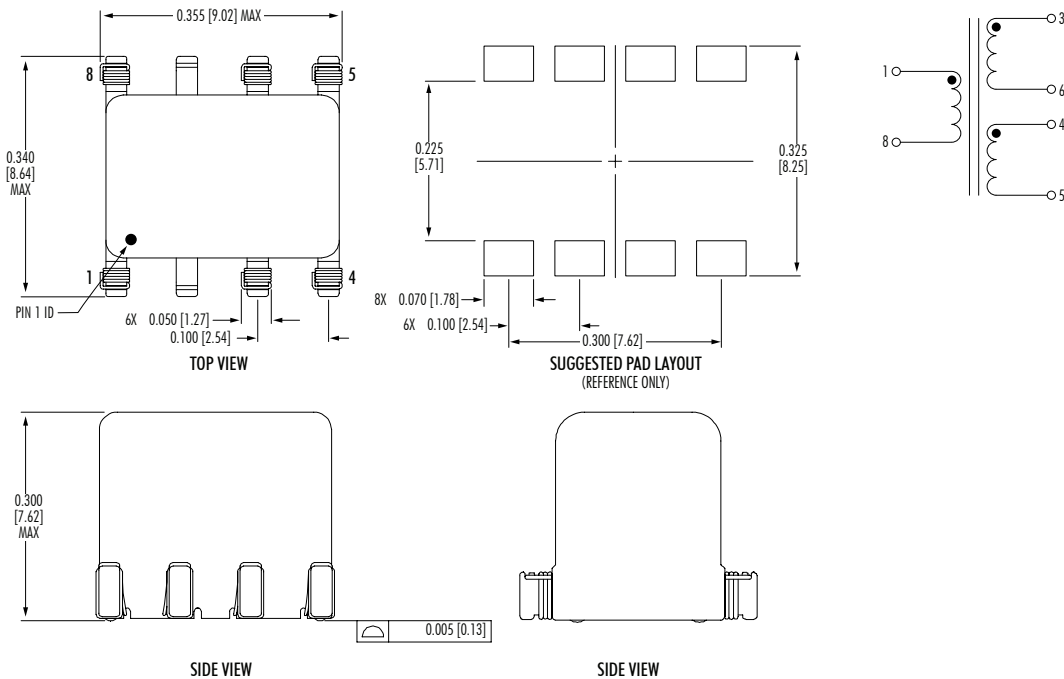
1. Add suffix "NL" for RoHS compliant version; i.e. X-1622 becomes X-1622NL.
2. For Tape & Reel packaging, add "T" suffix at the end of the part number: i.e. X-1622T.
3. For design information only, the maximum volt- μ sec rating is for unipolar drive applications. For bi-polar applications, a maximum volt- μ sec of two times this rating is acceptable.

Mechanicals

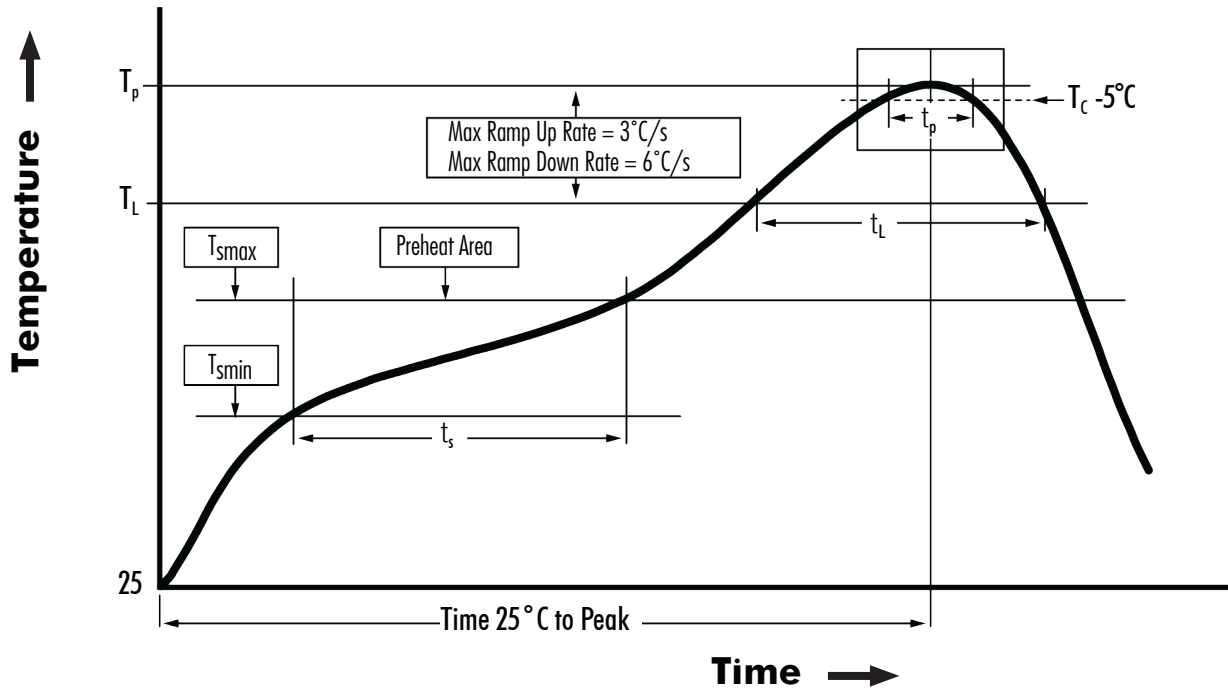
Electrical Schematics

X-1622

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)
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 number of reflow cycles not to exceed 2.

