**iNRC©RE** 

1500Vdc Basic and Operational Insulation

- 1500 VDC isolation between Gate and Drive
- Basic Insulation (1.4mm creepage/clear-ance) and operational available
- Part designed for rugged environments
- Construction techniques assure excellent resistance to vibration and shock
- Operating frequency: 50kHz and up
- Moisture Sensitivity Level : 3

Electrical Specifications @ 25 °C – Operating Temperature $-55$ °C to $+130$ °C									
Part	Turns	Pri-Sec Isulation	MAX1	Primary Inductance	2	DCR Primary	DCR Secondary	Package Size	
Number	Ratio			i iiiiai y inaociaico	Leakage <sup>2</sup> Inductance	Dek minury	Der Secondary	(L x W x H)	
Hombor		(V <sub>DC</sub> )	V*µsec	(mH MIN)	(µH MAX)	$(\Omega MAX)$	$(\Omega MAX)$	mm MAX)	
X-1569	1:1:1	1500	45.1	3.3	0.700	1.6	1.6	9.0 x 8.6 x 7.6	

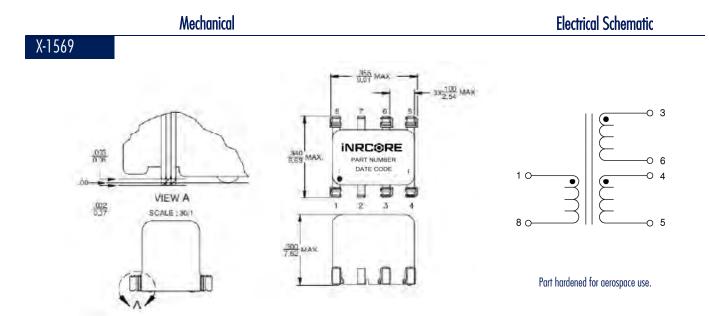
NOTES: 1. The maximum volt-sec rating limits the flux density to 2200 Gauss when used in a unipolar drive application. For bi-polar drive applications

a maximum volt-sec of two time this rating is acceptable. (2\*(volt\*ųsec ratio))

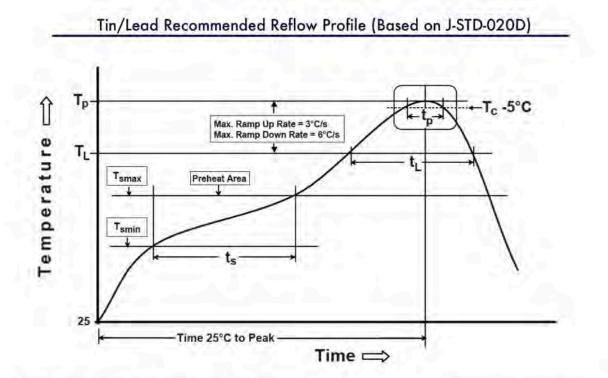
2. Leakage Inductance is measured at the primary terminals with all secondaries shorted.

3. Add suffix "T" to part number for Tape & Reel package.

4. To order a RoHS compliant part, add the suffix "NL" to the part number, i.e. X-1569 becomes X-1569NL.







T <sub>SMIN</sub> (°C)	T <sub>SMAX</sub> (°C)	12446-001	T⊧ (°C MAX)	t <sub>s</sub> (s)	t <sub>L</sub> (s)	t <sub>P</sub> (s MAX)	Ramp-up rate (T <sub>L</sub> to T <sub>P</sub> )	Ramp-down rate (T <sub>P</sub> to T <sub>L</sub> )	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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