## **BMS TRANSFORMER**

Automotive



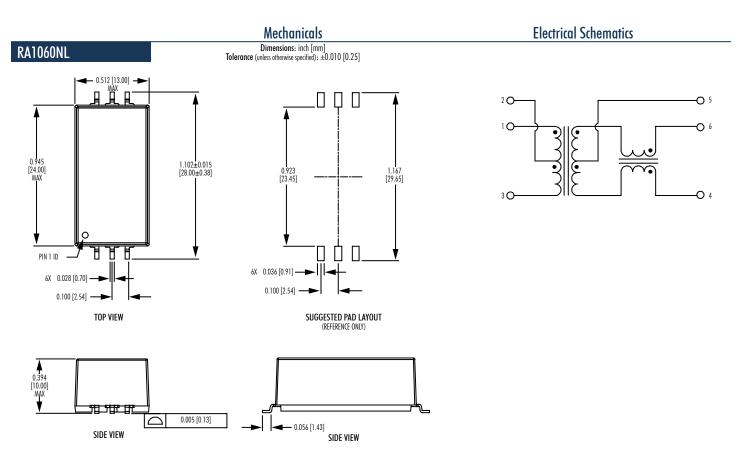


- AEC-Q200 Compliant
- Designed for use with ADI LTC6804/681X series, NXP MC33771/33772 and TI BQ79616
- Design Construction: Basic insulation per IEC 60664-1
- Creepage Distance:  $\geq$ 15mm, per pollution 2 & material group 1
- Impulse Voltage: 12KV, 1.2/50us
- Operating Temperature: -40°C to +125°C
- Storage Temperature: -55°C to +125°C
- Lead Finish: Sn100
- Moisture Sensitivity Level: 1

	Electrical Specifications @ 25°C								
	Turns Ratio (±5%)				Return Loss (dB MIN)	Dielectric Withstanding Voltage 60S MIN (VDC)			
Part Number	<u>(1-3)</u> (6-4)	MIN	МАХ	4 MHz	4 MHz	(1-3) to (6-4)			
RA1060NL	1CT:1CT	150	450	1.2	6	7640			

## NOTES:

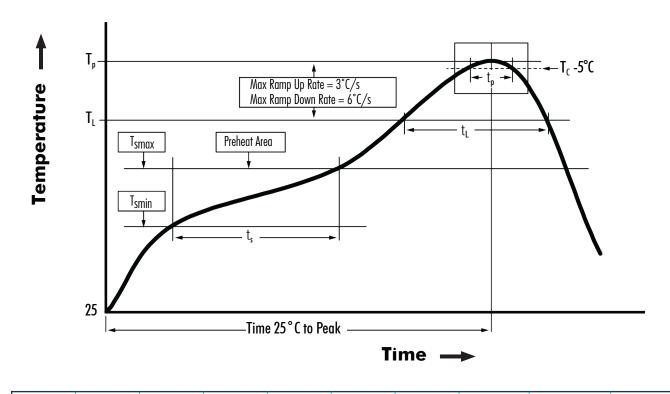
1. For Tape & Reel packaging, add "T" suffix at the end of the part number: i.e. RA1060NLT







## Non-Lead Recommended Reflow Profile (Based on J-STD-020D)



T <sub>smin</sub> (°C)	T <sub>smax</sub> (°C)	т <sub>.</sub> (°С)	T <sub>p</sub> (°C MAX)	t <sub>s</sub> (s)	t <sub>L</sub> (s)	t <sub>e</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)
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.



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