

SMPTe DIGITAL VIDEO BALUNS

Ruggedized



- Transforms a 100Ω/150Ω balanced differential signal to a 75Ω/50Ω rounded, unbalanced signal - and vice versa (bi-directional operation)
- SMPTE 424M/425M, 2.973 and 1.485 Gbps data rates
- Moisture Sensitivity Level: 3
- Epoxy Encapsulated

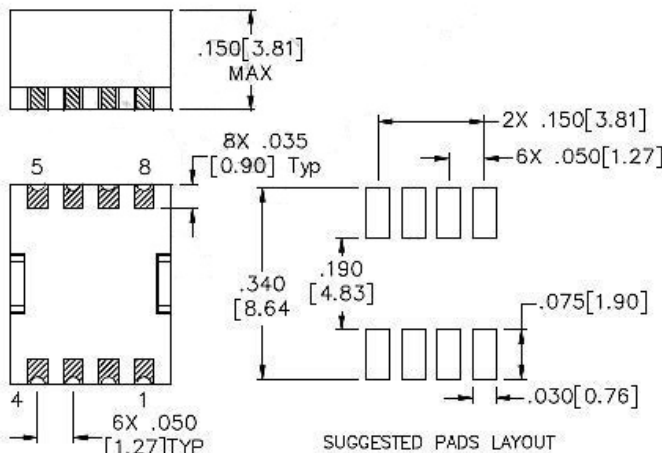
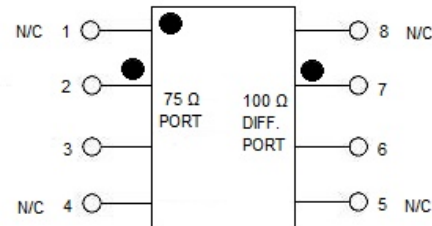
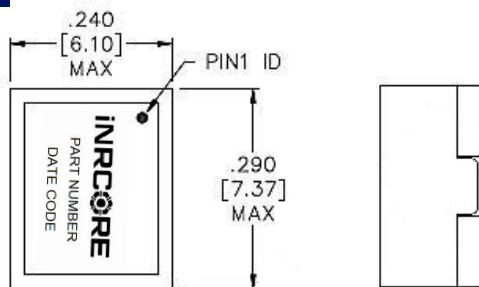
Electrical Specifications @ 25 °C – Operating Temperature – 55°C to +125 °C

Part Number	Data Rate	Impedance Unbalanced (Ω)	Impedance Balanced (Ω)	Insertion Loss @ 1.5 GHz (dB MAX)	Return Loss @ 1.5 GHz (dB MIN)
TA-0751003G	2.973	75	100	-2	12
TA-0751503G	2.973	75	150	-2	10
TA-0501003G	2.973	50	100	-2	10
TA-075100G	1.485	75	100	-2	12
TA-075150G	1.485	75	150	-2	10
TA-050100G	1.485	50	100	-2	10

Mechanical

Electrical Schematic

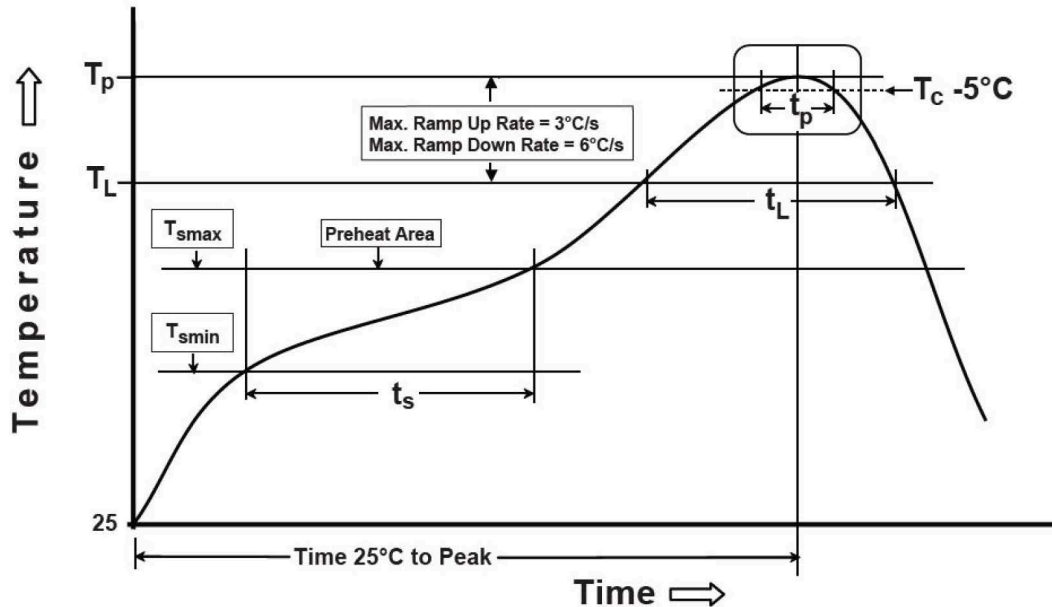
1TA-XXXXXXG



Dimensions: inches[mm]
 Unless otherwise specified,
 all tolerances are ± .010[0.25]
 Weight..... 0.8g
 Tube..... 65
 Tape and Reel.....TBD



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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