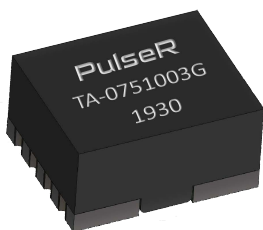


## TA-XXXXXXG



- Ⓡ 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
- Ⓡ Operating Temperature -55°C to +125°C.
- Ⓡ Moisture Sensitivity Level: 3
- Ⓡ Epoxy Encapsulated

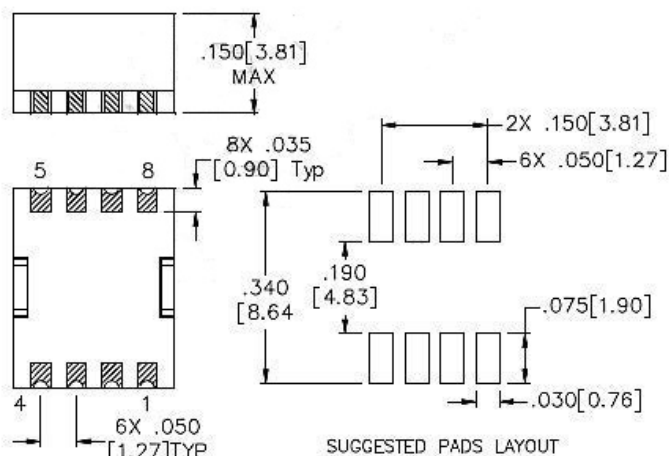
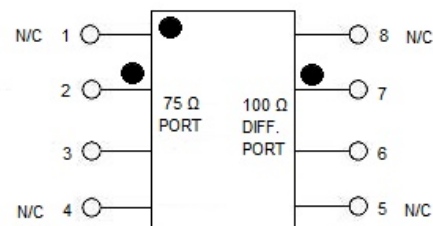
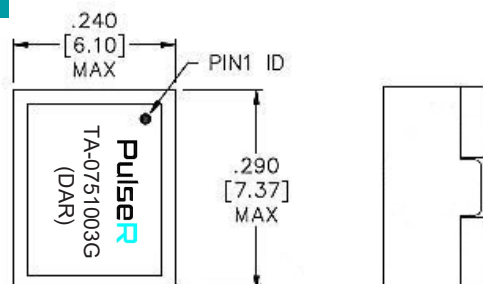
Characteristics - Operating Temperature -55°C to +125°C.

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

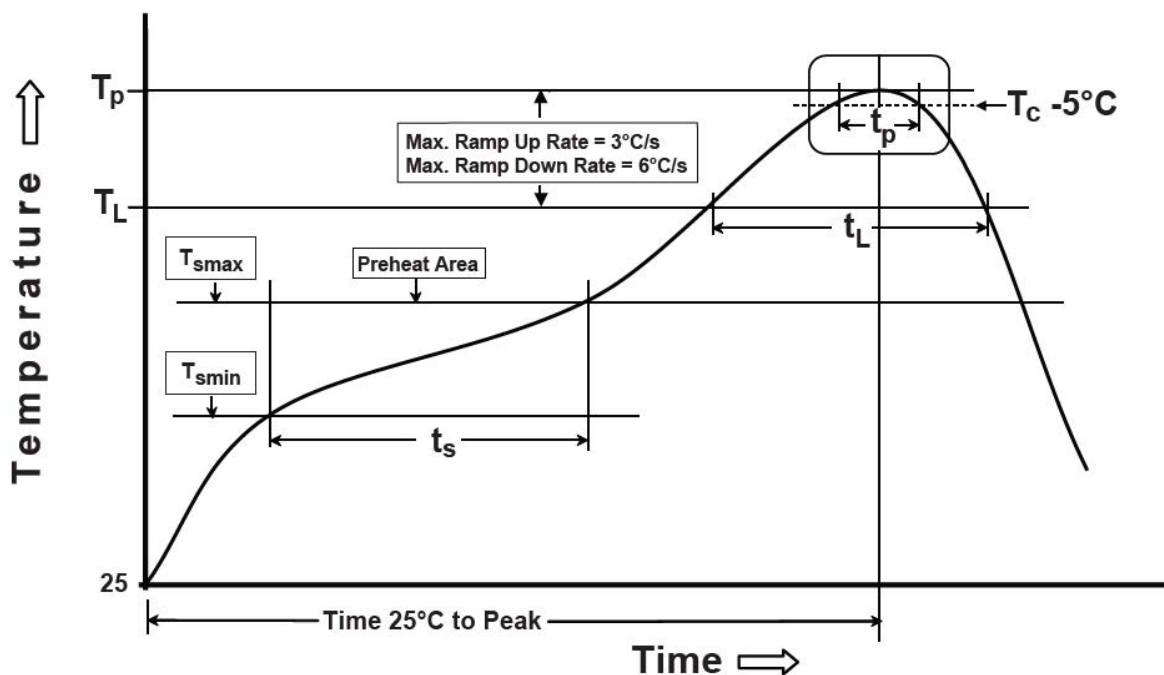
### Schematic

#### TA-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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