






# HIGH FREQUENCY BALUN ADAPTOR For SMPTE-292M HDTV

Ruggedized



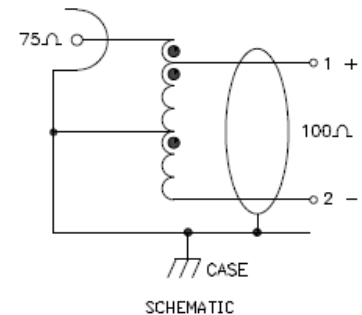
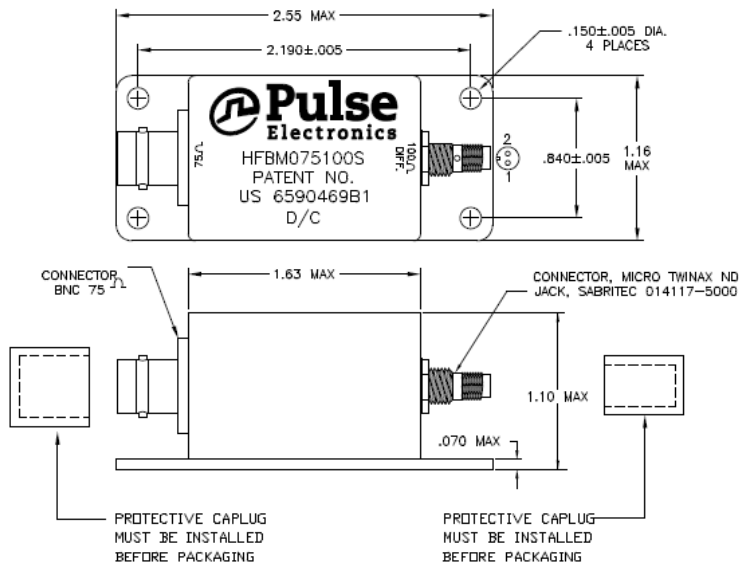
-  Transforms 100Ω balanced differential signal to 75 Ω, Grounded unbalanced signal
-  Designed for SMPTE-292M HDTV application at 1.485GBs data rate
-  Operating and Storage Temperature: -55°C to +125°C
-  Designed for flight application with super Environmental, EMI and corrosion protection
-  Moisture Sensitivity Level: 1

## Characteristics

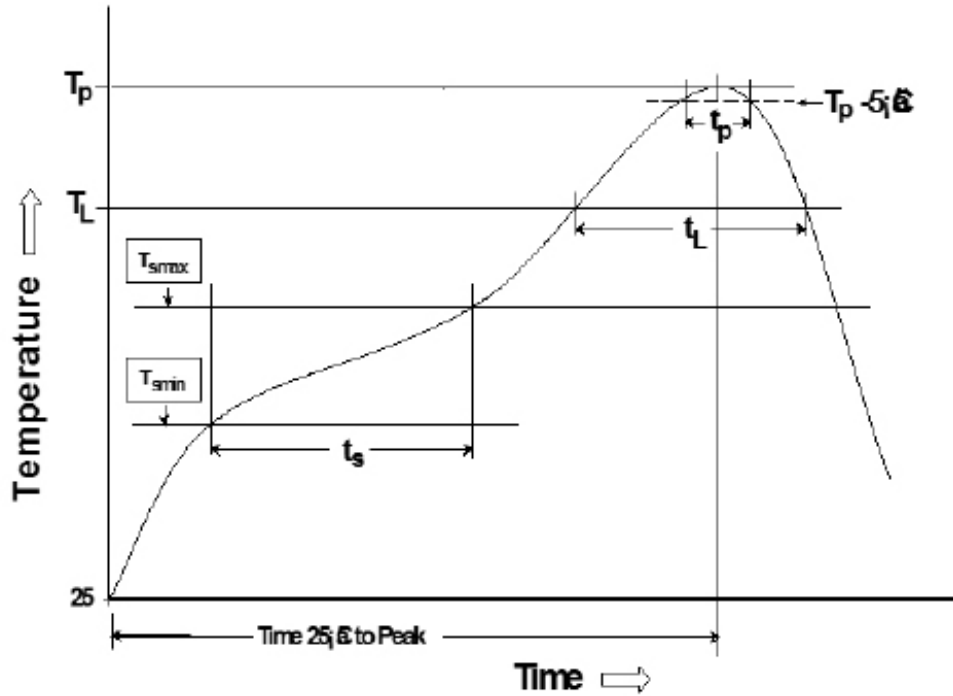
Part Number	Impedance Unbalanced	Impedance Balanced	Insertion Loss db MAX. 1.485 GBs	Jitter Dj pSec. Max. 1.485 GBs, PN7
HFBM075100S	75	100	-2.0	110

## Mechanical

## Schematic



**Transceiver 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	225	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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