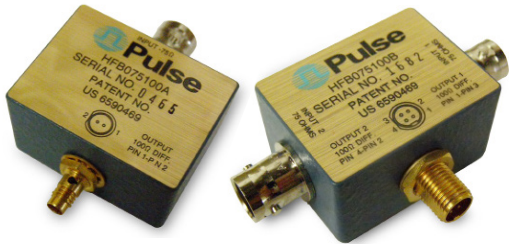


# High Frequency Balun Adaptor

For SMPTE-292M HDTV  
Ruggedized



- Transforms 100Ω balanced differential signal to 75Ω, Grounded unbalanced signal.
- Designed for SMPTE-292M HDTV application at 1.485GBs data rate.
- Storage Temperature: -55°C to +125°C.
- Moisture Sensitivity Level: 1

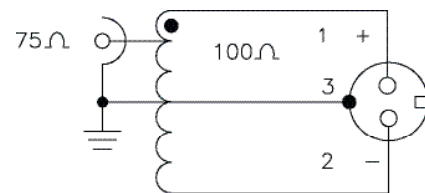
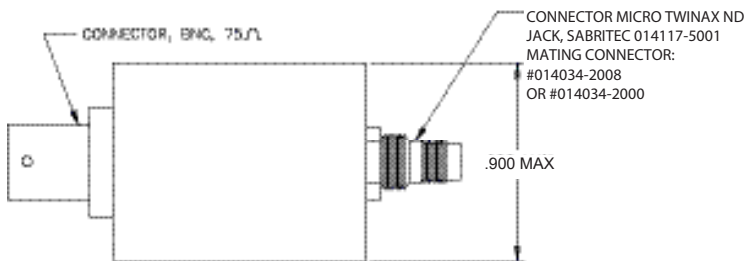
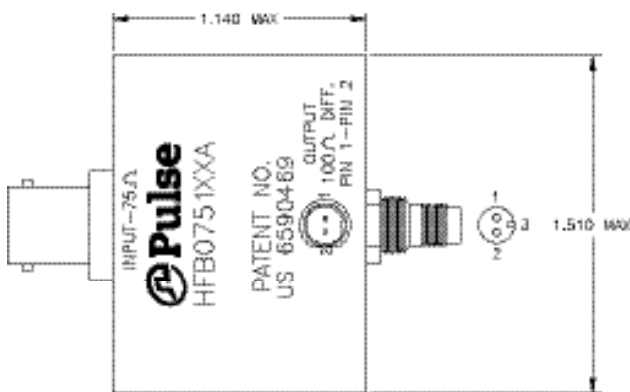
## Electrical Specifications @ 25°C - Operating Temperature -55°C to +125°C

Part Number	Impedance Unbalanced	Impedance Balanced	Insertion Loss db MAX. 1.485 GBs	Jitter Dj pSec. Max. 1.485 GBs, PN7
HFB075100A	75	100	-2.0	110.0
HFB075100B	75	100	-2.0	110.0
HFBL075100A	75	100	-2.0	110.0
HFBL075100B	75	100	-2.0	110.0

### Mechanical

### Schematic

#### HFB075100A



#### Notes:

1. Weight..... 42.168gm
2. Pan/Tube Size= 15

# High Frequency Balun Adaptor

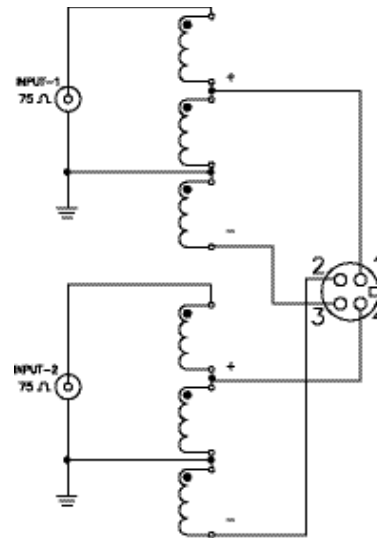
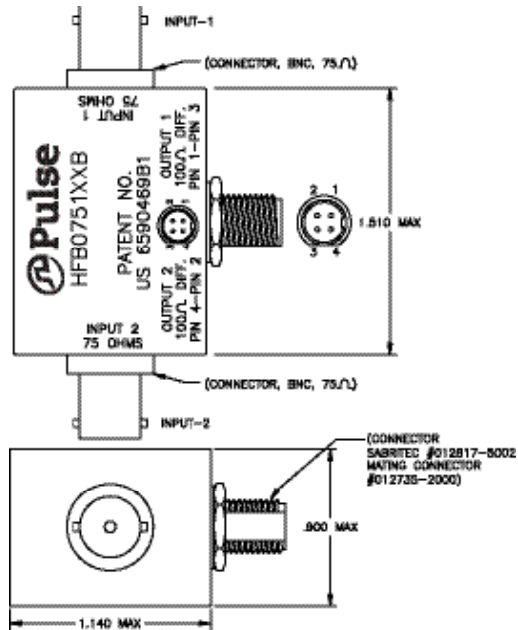
For SMPTE-292M HDTV  
Ruggedized



## Mechanical

## Schematic

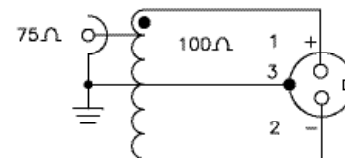
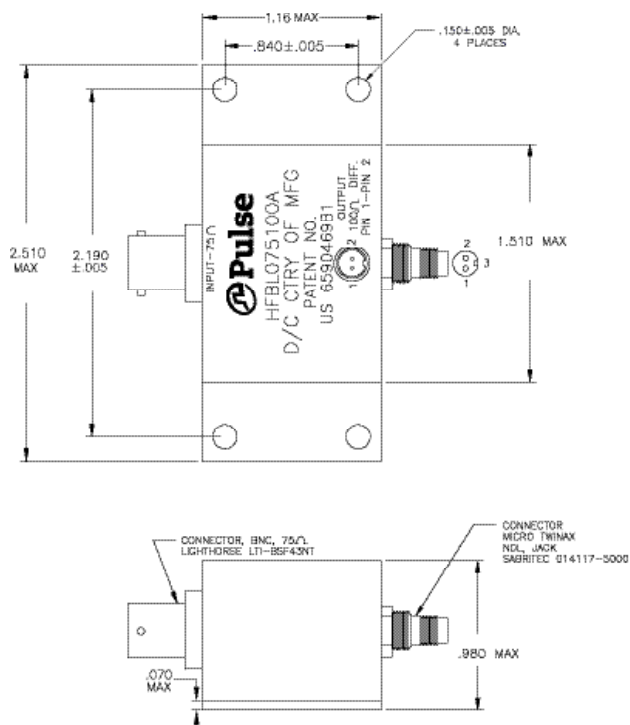
### HFB075100B



## Mechanical

## Schematic

### HFBL075100A



**Notes:**

1. Weight..... 48.36gm
2. Pan/Tube Size= 15

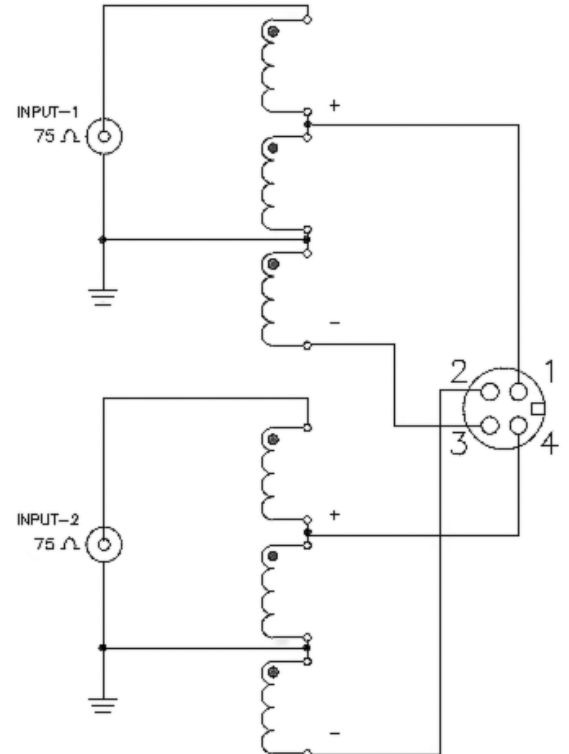
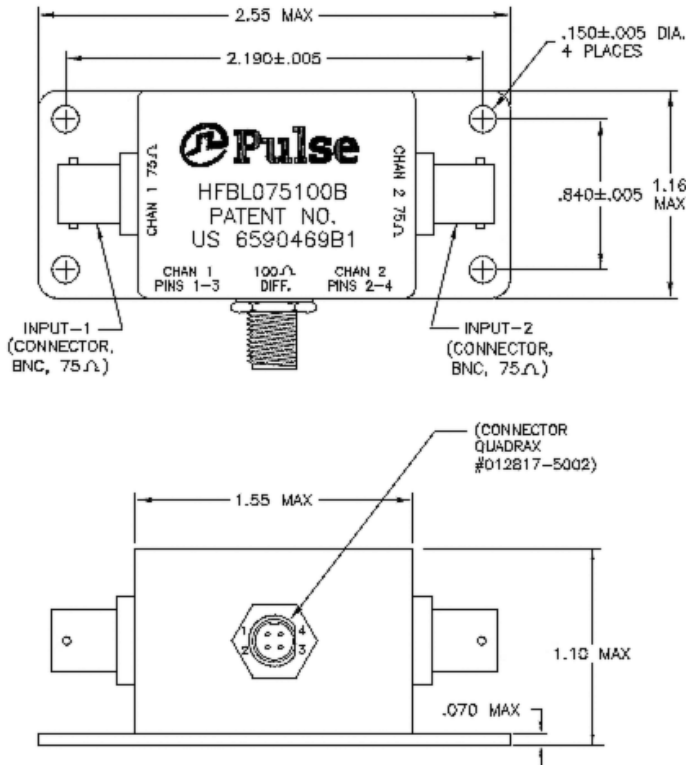
# High Frequency Balun Adaptor

For SMPTE-292M HDTV  
Ruggedized

## Mechanical

## Schematic

HFBL075100B



### Notes:

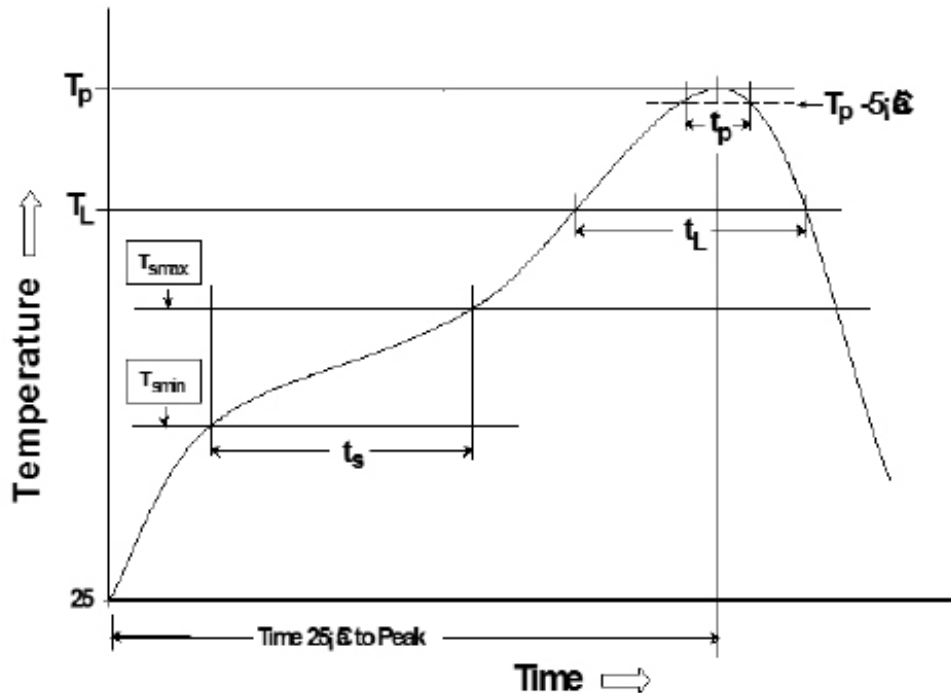
1. Weight..... 75.42gm
2. Pan/Tube Size= 10

# High Frequency Balun Adaptor

For SMPTE-292M HDTV  
Ruggedized



## 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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