HIGH FREQUENCEY BALUN ADAPTOR

For: SMPTE-292M HDTV
Ruggedized

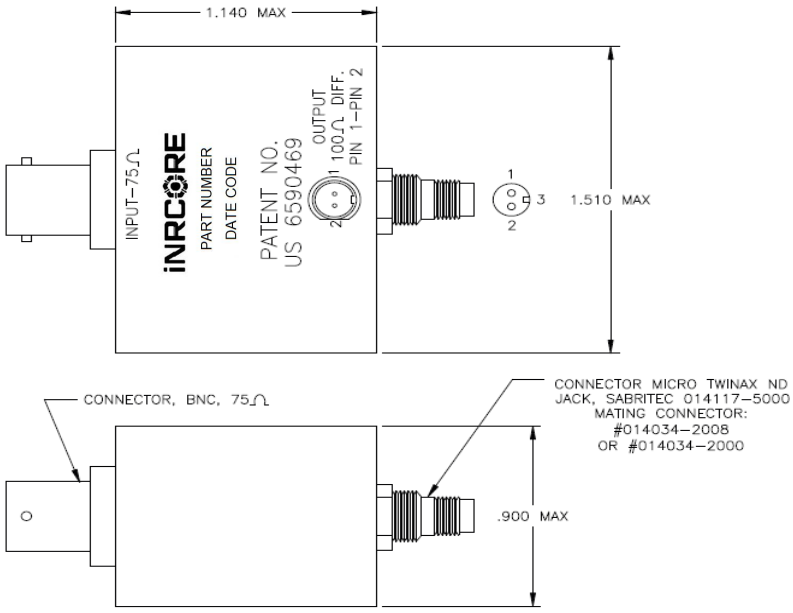
- Transforms 100Ω balanced differential signal to 75Ω , grounded unbalanced signal
- Designed for SMPTE-292M HDTV application at 1.485GBs data rate
- Storage Temperature: -55°C to +125°C
- Moisture Sensitivity Level: 1

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

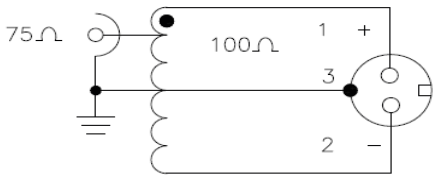
Part Number	Impedance Unbalanced	Impedance Balanced	Insertion Loss db MAX. 1.485 GBs	Jitter Dj pSec. Max. 1.485 GBs, PN7
HFB075100A	75	100	-2.0	110.0
HFB075100B	75	100	-2.0	110.0
HFBL075100A	75	100	-2.0	110.0
HFBL075100B	75	100	-2.0	110.0

Mechanical

HFB075100A



Electrical Schematic



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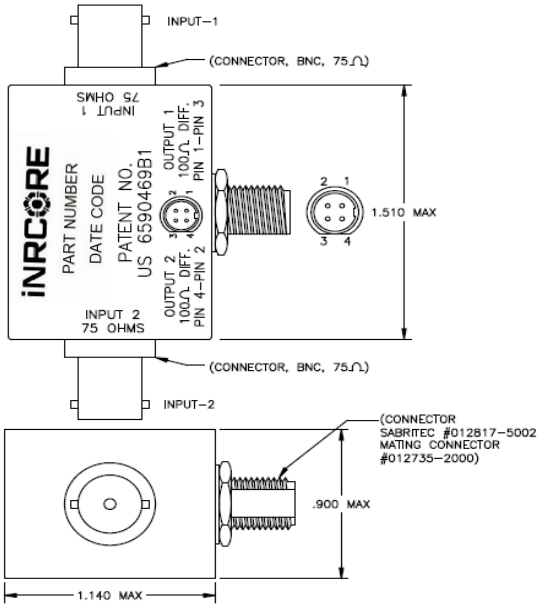
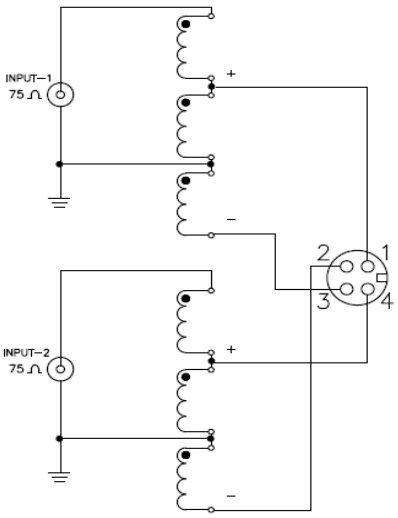
Mechanical

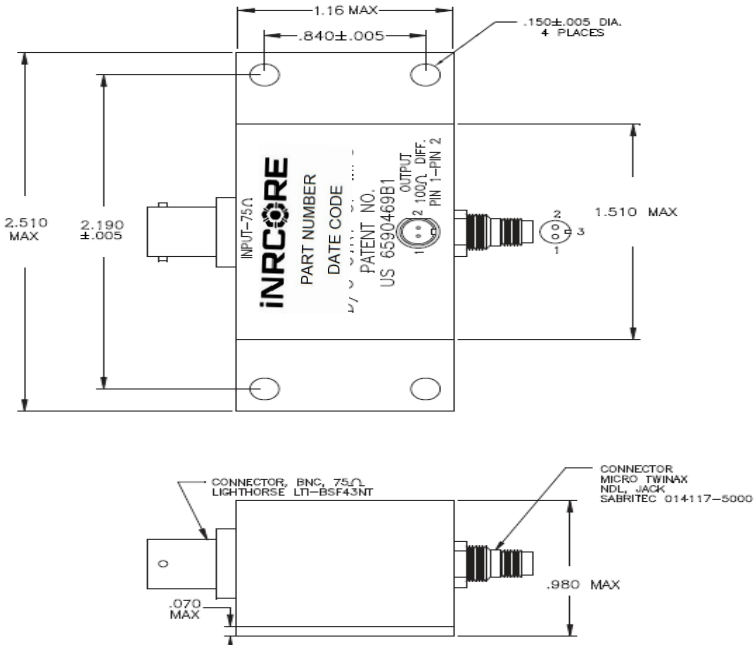


Electrical Schematic

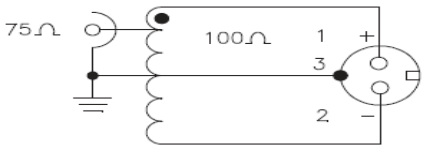


HFBL075100A

Mechanical



Electrical Schematic



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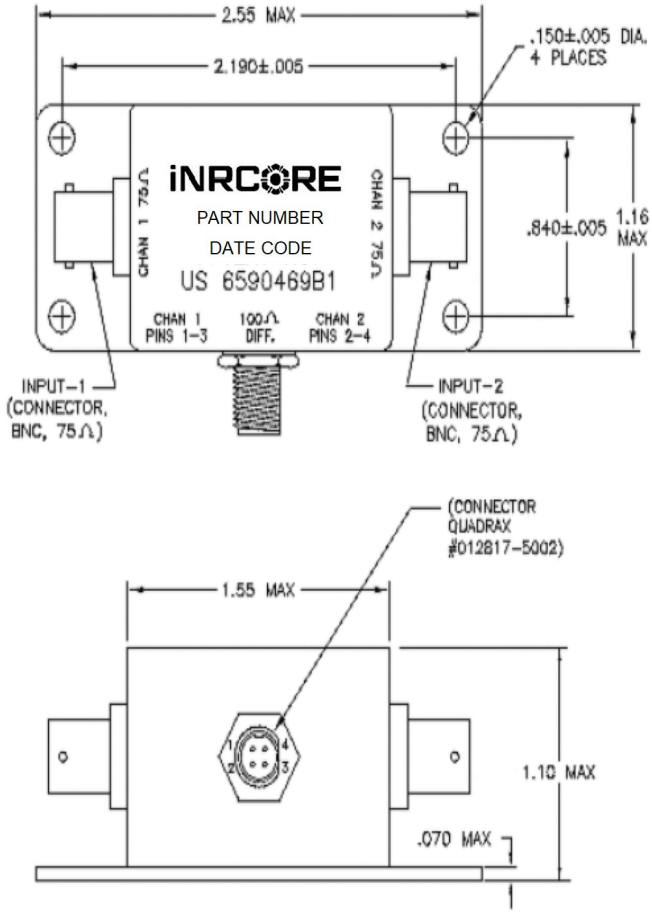
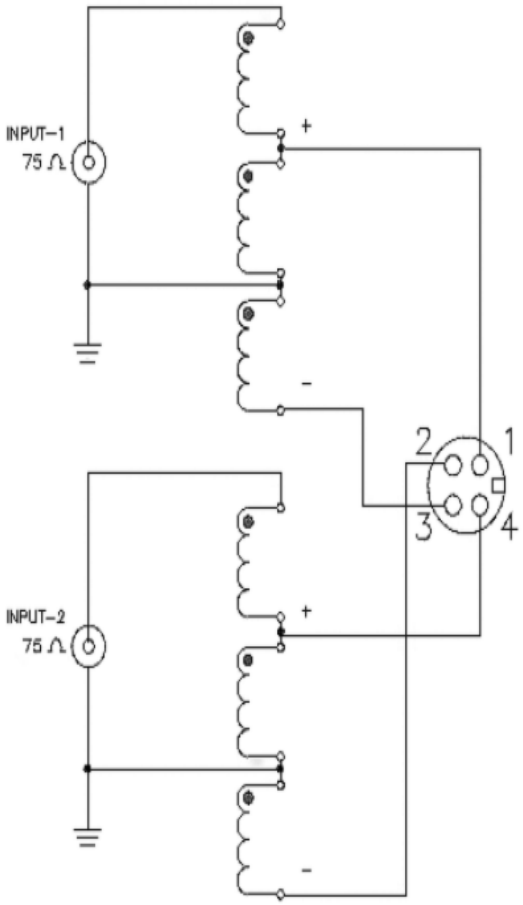
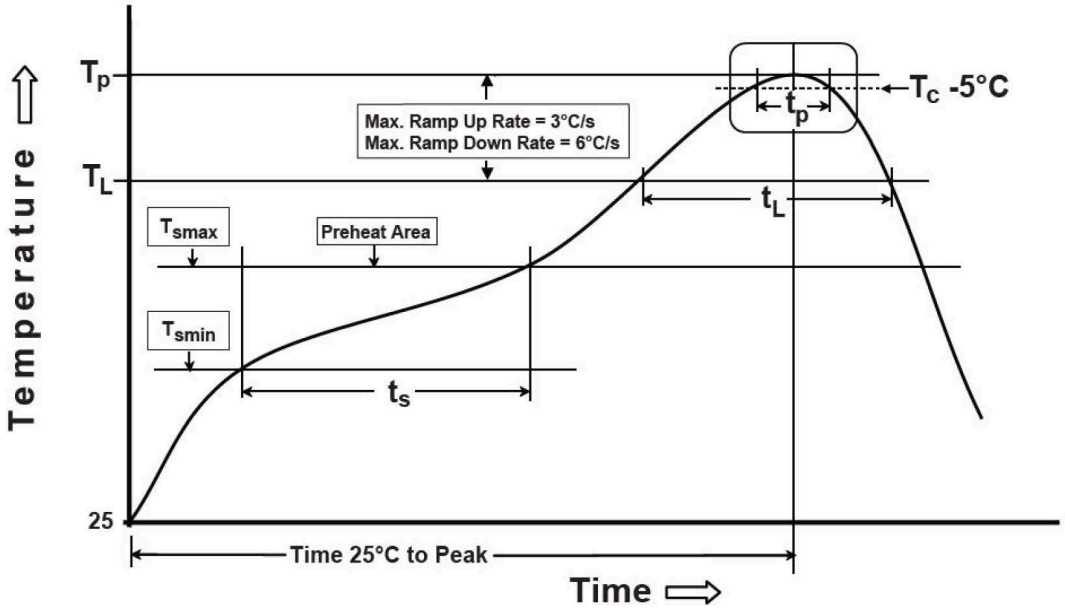
Electrical Schematic

HFBL075100B





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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