

HS-25

Description:

Triad's **HS-25** Interstage Audio Transformer provides the durability and precision required in vintage and today's demanding designs. **Mu-Metal case** construction for magnetic field immunity and up to 95 dB Hum reduction. **Step-up turns ratio** to accommodate impedance matching. **Power handling capacity** to deliver full power without distortion within ± 3 dB. **Dependable** hermetically sealed construction with low temperature rise and high heat conductivity. **Applications include** signal gain or attenuation, inter-stage isolation, impedance matching, unbalanced to balanced signal conversion, and reduction of thump transmission to following Amp stages.

Electrical Specifications (@25°C)

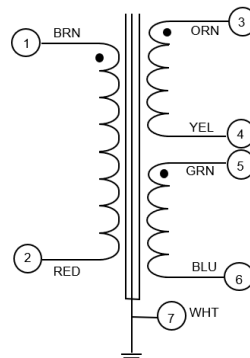
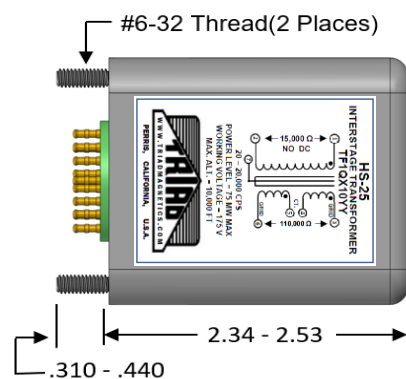
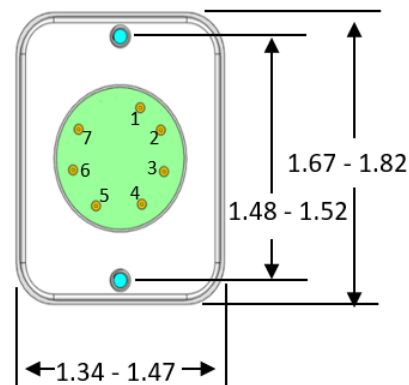
Impedance		Overall Turns Ratio	DCR (Ω)	Power level (mW)
Pri (Ω)	Sec (Ω)			
15k	110k/27.5k	1:1.36	1-2 = 821 3-4 = 2750 5-6 = 2750	75

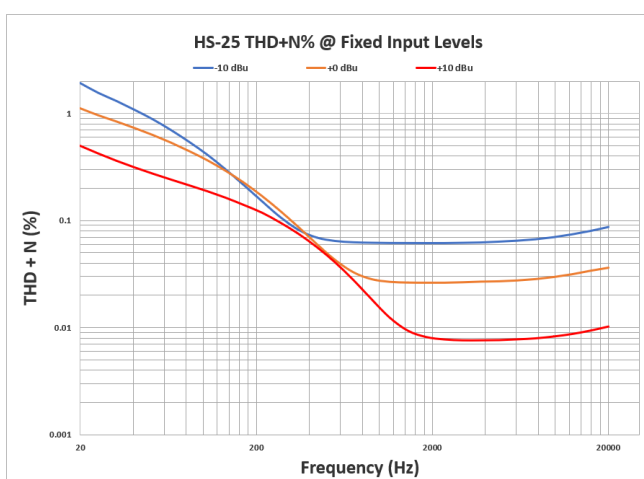
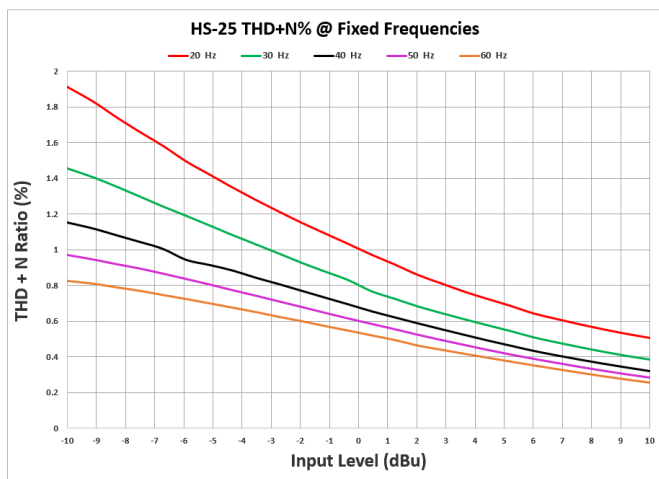
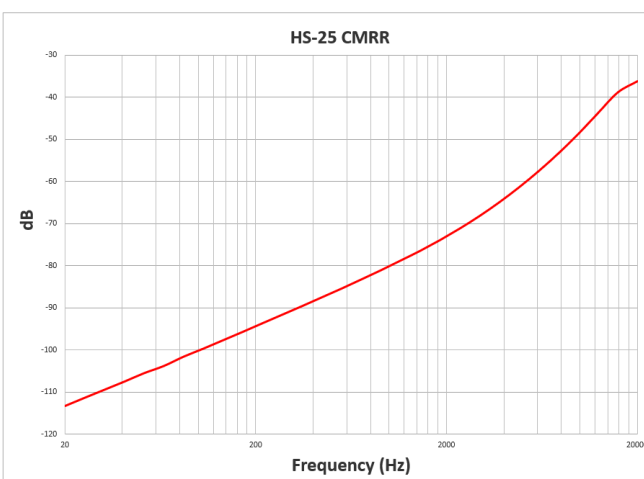
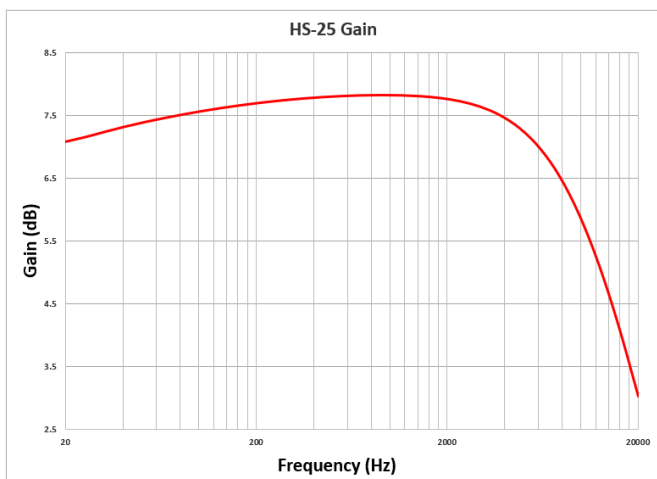
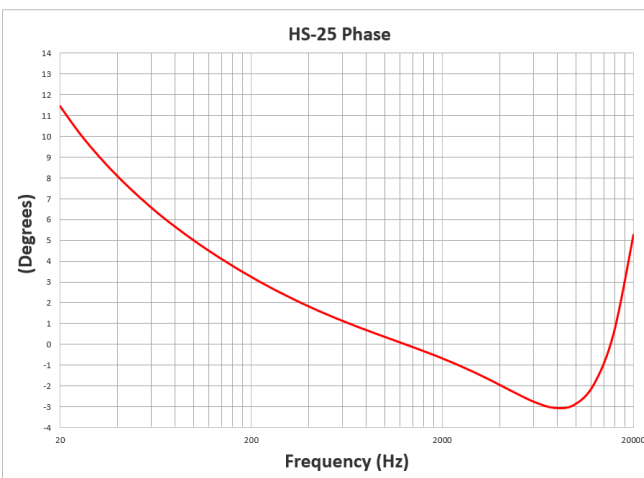
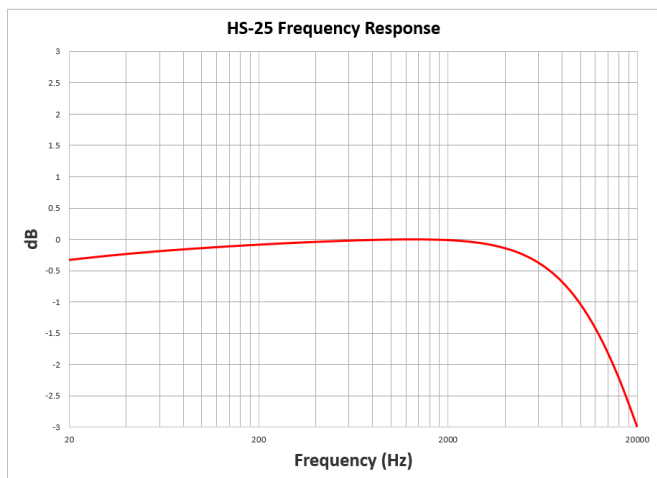
PARAMETER	CONDITIONS	TYPICAL
Frequency Range	---	20 Hz – 20KHz
Gain	1kHz, $R_s = 15k\Omega$, $R_L = 110k\Omega$	7.8 dB
Distortion (THD+N%)	1kHz, +10 dBu input, $R_s = 15k\Omega$, $R_L = 110k\Omega$	0.01%
	1kHz, 0 dBu input, $R_s = 15k\Omega$, $R_L = 110k\Omega$	0.02%
	1kHz, -10 dBu input, $R_s = 15k\Omega$, $R_L = 110k\Omega$	0.06%
Max input level (20Hz)	1% THD + N%, $R_s = 15k\Omega$, $R_L = 110k\Omega$	> 0dBu
Frequency response (1 kHz Ref.)	20 Hz, $R_s = 15k\Omega$, $R_L = 110k\Omega$	-0.32 dB
	20kHz, $R_s = 15k\Omega$, $R_L = 110k\Omega$	-3 dB
Phase Shift @ 20Hz	Reference to source generator $R_s = 15k\Omega$, $R_L = 110k\Omega$	+11°
Phase shift @ 20kHz		5°
CMRR	20 Hz	113 dB
	1 kHz	80 dB
Inductance	.1V @ 20Hz (1-2)	55 H MIN
Dielectric Test	500V @ 60Hz	---
Temperature Rating	Operation & Storage	0°C to 70°C
Weight (grams)	---	275 Typ.

*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.



For illustration purposes only





NOTE: Graph data was taken on a random sample using an Audio Precision Model APX555 Audio Analyzer.