

A-55J

Description:

Triad's **A-55J** Output Audio Transformer provides the durability and precision required in today's demanding designs. **Mu-Metal case** construction for magnetic field immunity and 60 to 80 dB Hum reduction. **Ample turns ratios** to accommodate source to load impedance matching. **Wide range power handling capacity** to deliver full power without distortion within ± 3 dB. Applications include: Signal Pre-Amplification, Impedance Matching, Inter-stage Isolation, Signal Level step up/down. **Dependable** construction with low temperature rise and high heat conductivity.

Electrical Specifications (@25°C)

Power level (mW)	Inductance (H)	Impedance (Ω)		DCR (Ω)		Overall Turns Ratio	DWV
	pri	Pri	Sec	Pri	Sec		
100	600 Min	15k	600 250 50	1172	50.85	2.5:1	500V

PARAMETER	CONDITIONS	TYPICAL
Frequency Range		30 Hz – 15KHz
Gain	1kHz, $R_s = 15K\Omega$, $R_L = 600\Omega$	-15.2 dB
Distortion (THD+N%)	1kHz, +10 dBu input, $R_s = 15K\Omega$, $R_L = 600\Omega$	0.003%
	1kHz, +0dBu input, $R_s = 15K\Omega$, $R_L = 600\Omega$	0.01%
	1kHz, -10dBu input, $R_s = 15K\Omega$, $R_L = 600\Omega$	0.03%
Max input level (30Hz)	1% THD + N%, $R_s = 15K\Omega$, $R_L = 600\Omega$	>+24dBu
Frequency response (1 kHz Ref.)	30 Hz, $R_s = 15K\Omega$, $R_L = 600\Omega$	-0.11 dB
	15kHz, $R_s = 15K\Omega$, $R_L = 600\Omega$	0.07 dB
Phase Shift @ 30Hz	Reference to source generator $R_s = 15K\Omega$, $R_L = 600\Omega$	+3.01°
Phase shift @ 15kHz		0.12°
CMRR	60 Hz	130 dB
	1 kHz	106 dB
Temperature Rating	Operation & Storage	0°C to 70°C
Weight (grams)		137 Typ.

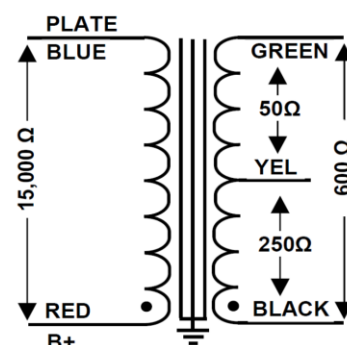
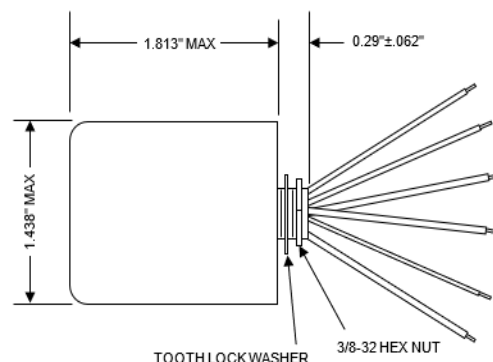
*Upon printing, this document is considered "uncontrolled".

Please contact Triad Magnetics for the most current version.

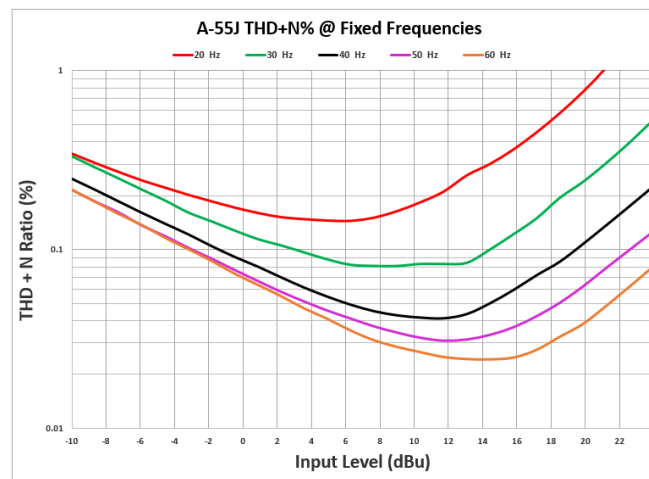
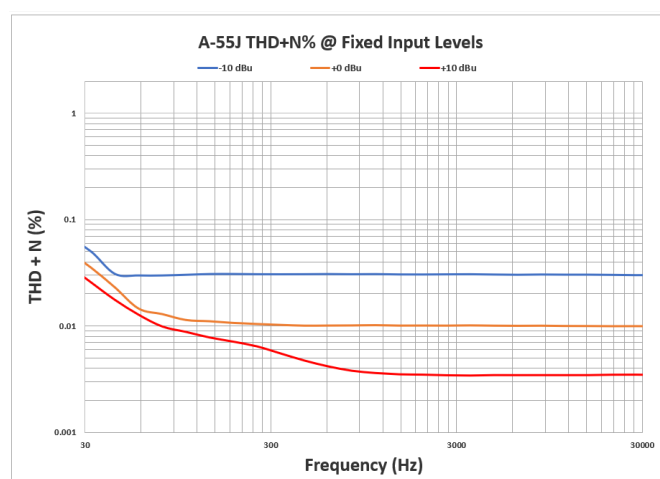
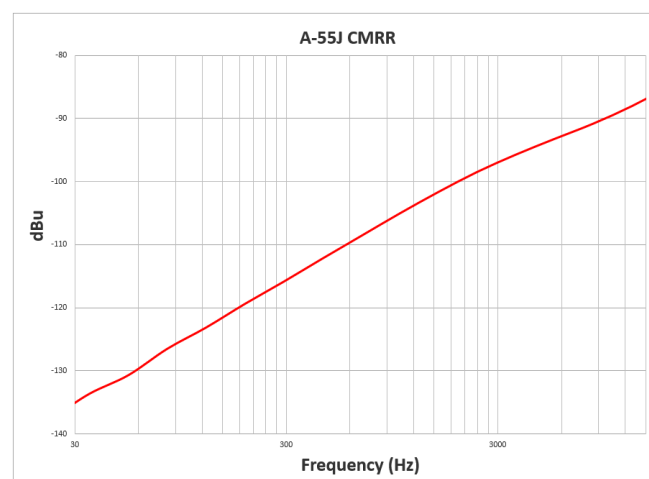
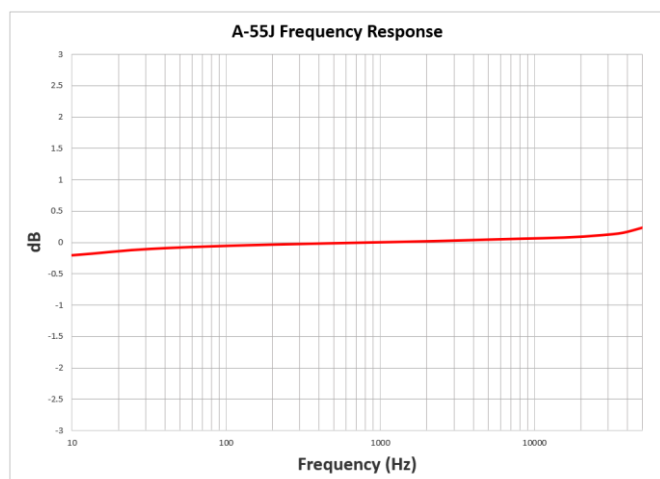
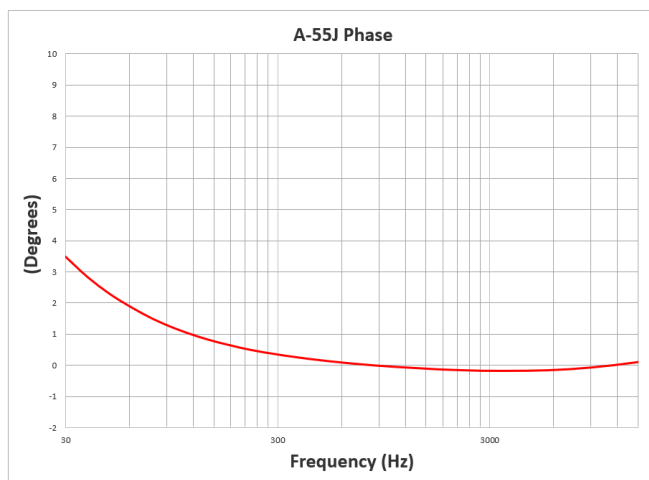
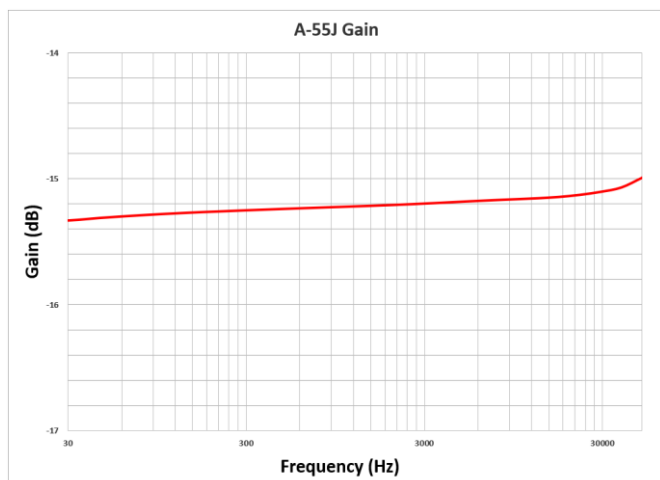


For illustration purpose only

ALL LEADS = 6.0" Min



SCHEMATIC



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