

A-11J

Description:

Triad's **A-11J** Input 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. **Large step-up turns ratio** to couple low-level input signals to the grid of the first amplifier tube or, in a multistage system, to the input element of the first transistor amplifier. Low level **High Fidelity** with excellent Unwanted **Noise reduction**. Applications include signal pre-amplification, inter-stage isolation, signal level step up/down, and impedance matching.

Electrical Specifications (@25C)

Power level (mW)	Inductance (H)	Impedance		DCR (Ω)		Turns Ratio	DWV
	pri	Pri	Sec	Pri	Sec		
10	7 Min	50 250 600	60k	50	5000	1:28 1:15 1:10	500V

PARAMETER	CONDITIONS	TYPICAL
Frequency Range		20 Hz – 20KHZ
Gain	1kHz, Rs = 600 Ω RL = 60kΩ	+13.1 dB
Distortion (THD+N%)	1kHz, +8dBu input, Rs = 600 Ω RL = 60kΩ	0.007%
	1kHz, +2dBu input, Rs = 600 Ω RL = 60kΩ	0.006%
	1kHz, -4dBu input, Rs = 600 Ω RL = 60kΩ	0.005%
Max input level (20Hz)	1% THD + N%, Rs=600Ω, RL = 60kΩ	-1.5 dBu
Frequency response (1 kHz Ref.)	20 Hz, RS=600Ω, RL=60kΩ	-0.56dB
	20kHz, RS=600Ω, RL=60kΩ	-1.26dB
Phase Shift @ 20Hz	Reference to source generator Rs= 600Ω, RL = 60kΩ	+39°
Phase shift @ 20kHz		-8°
CMRR	60 Hz	90 dB
	1 kHz	78 dB
Temperature Rating	Operation & Storage	0°C to 70°C

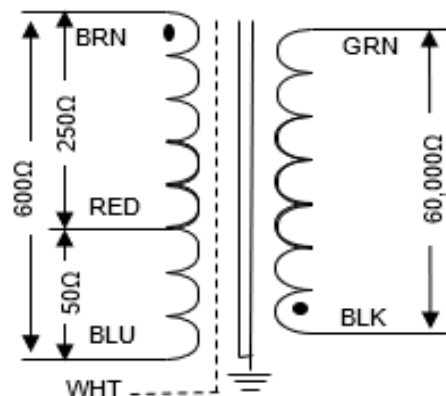
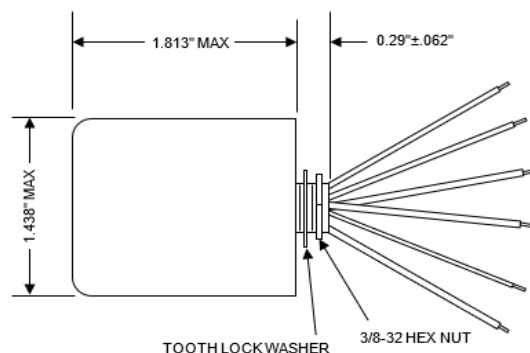
RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

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

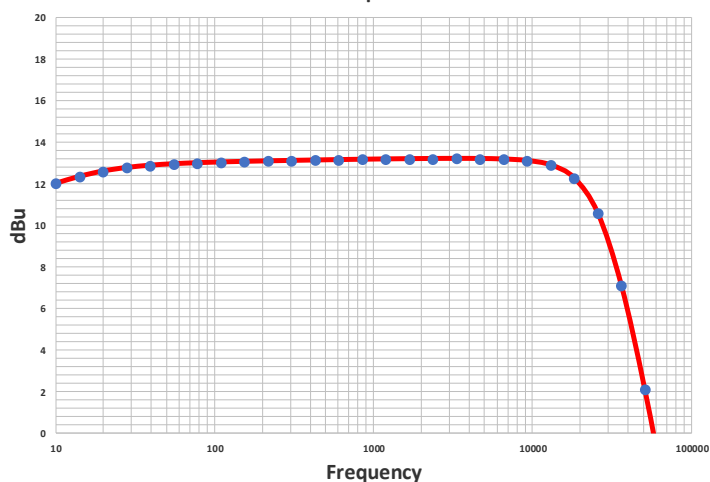


For illustration purpose only

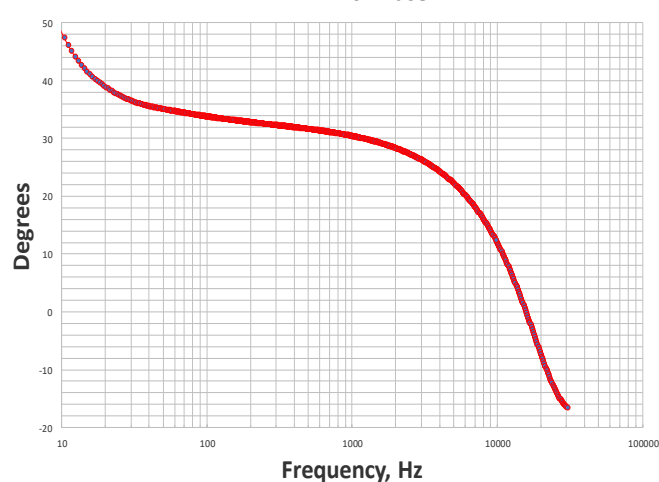
ALL LEADS = 6.0" Min



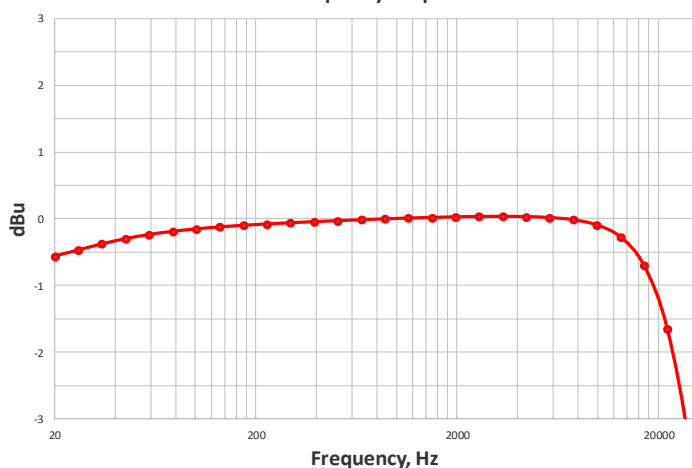
A-11J Amplitude



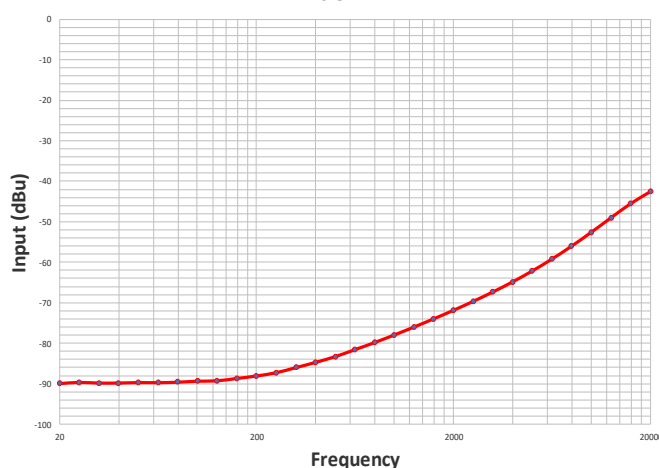
A-11J Phase



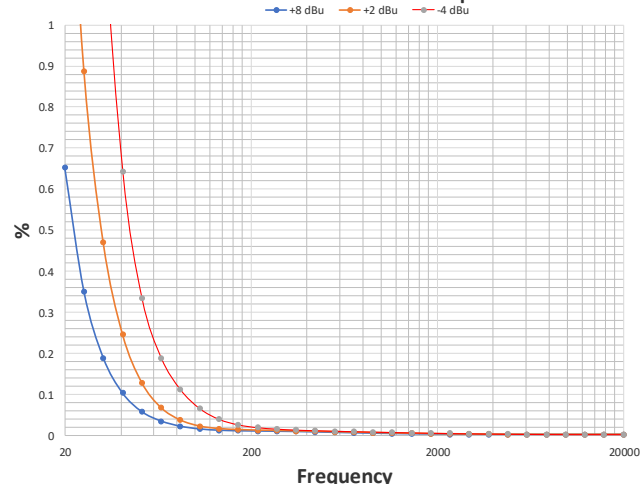
A-11J Frequency Response



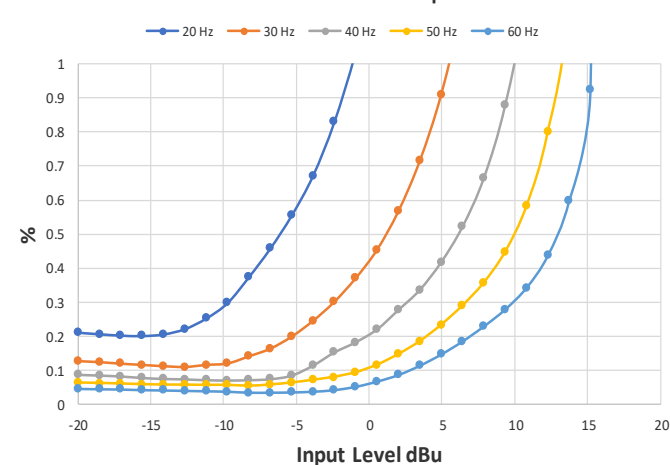
A-11J CMRR



A-11J THD+N% at Fixed Inputs



A-11J THD+N% at Fixed Frequencies



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