

## 1140-LU-F

CHASSIS MOUNT  
LINE OUTPUT TRANSFORMER

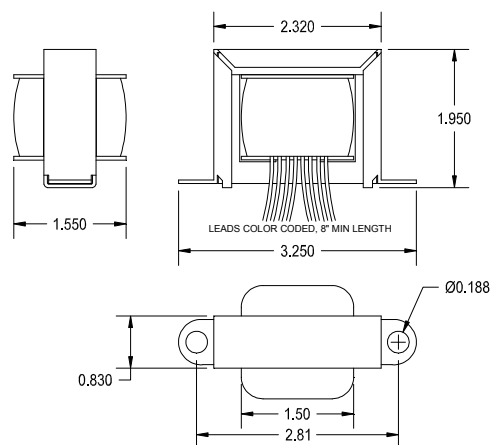
This transformer is designed with quad-filar windings and a 80% Ni core, which gives very low distortion levels and good output levels.

It can drive 600Ω loads up to +27dbu @ 20Hz.

This transformer is best suited for 1:2 step up applications.

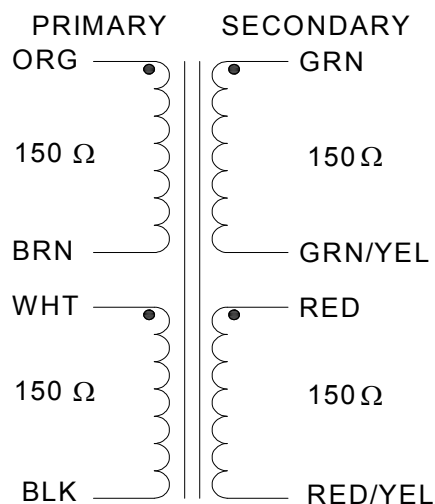
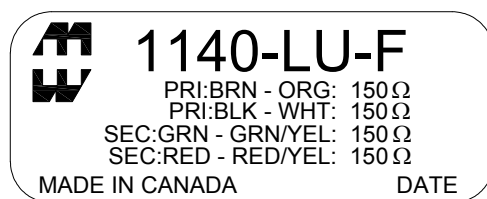
If a 1:1 ratio is needed, better performance can be obtained from the 1140-LU-G

Due to the properties of the Ni core, the drive signal should have no DC component and the source impedance should be as low as possible.



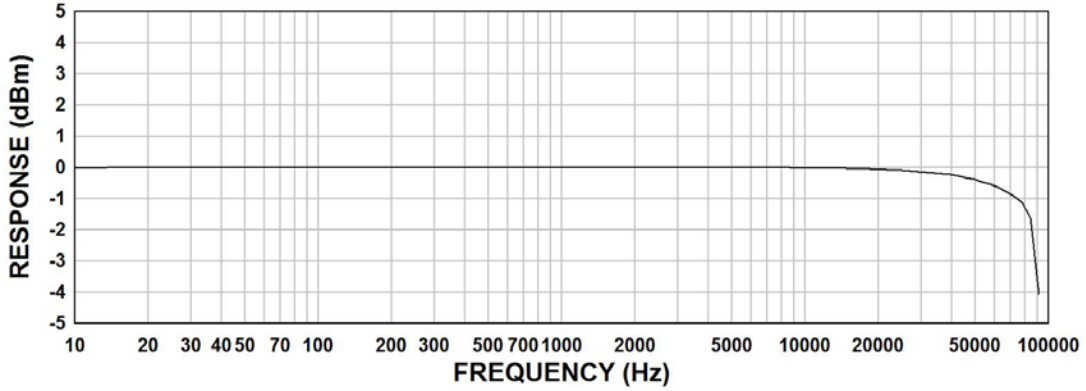
### ELECTRICAL SPECIFICATIONS

Characteristic	Conditions	Typical
Input Impedance		600 Ω
Output Impedance		600 Ω
Primary Input Impedance	@ 1kHz 0dbu Test Circuit 3	180Ω
Secondary Output Impedance	@ 1kHz 0dbu Test Circuit 4	80Ω
Maximum input Level	@ 20Hz RL = 600Ω	+27 dbu
DCR		
Primary	@20°C	30/30 Ω
Secondary	@20°C	30/30 Ω
Frequency Response	@ 20 Hz, 0 dbu, Test Circuit 3	-0.001db
	@ 20 kHz, 0 dbu, Test Circuit 3	+0.007db
Turns ratio		1:1
Common Mode Rejection Level	@ 60 Hz, 0 dbu, Test Circuit 2	105db
	3kHz, 0 dbu, Test Circuit 2	75db
THD	@ 1kHz 4 dbu Test Circuit 1	0.007%
	@ 20Hz 4 dbu Test Circuit 1	0.001%
Phase Shift	@ 20 Hz Test Circuit 1	0.08°
	@ 20 kHz Test Circuit 1	-3.80°
Capacitance	Primary to Shield and Case	30nf
	Secondary to Shield and Case	80pf
Dielectric Strength		250 Vrms



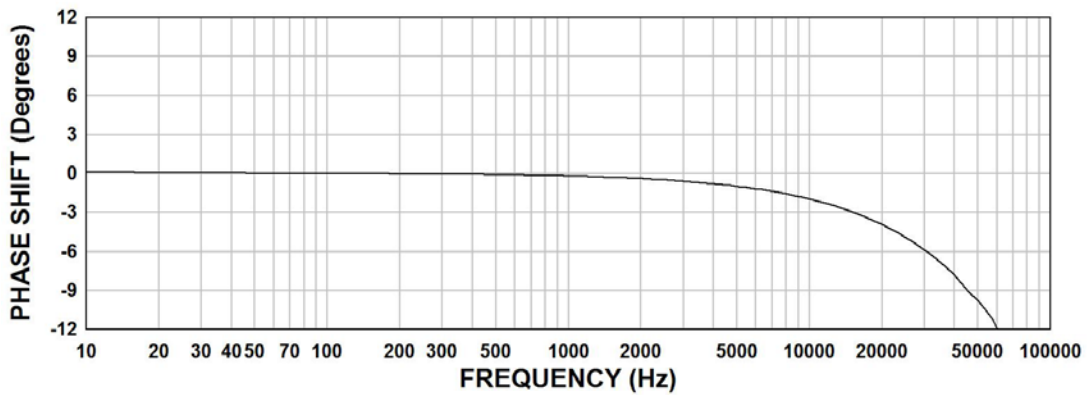
### 1140-LU-F FREQUENCY RESPONSE

Input level 0dBu  
Rs = 0Ω, RL = 600Ω



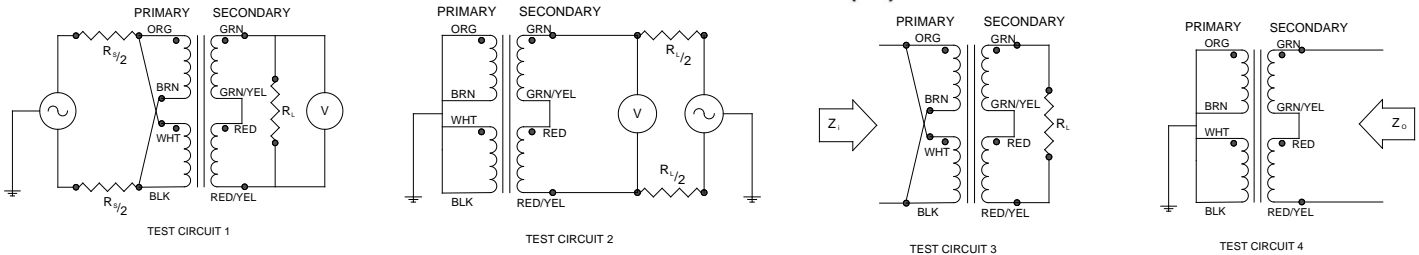
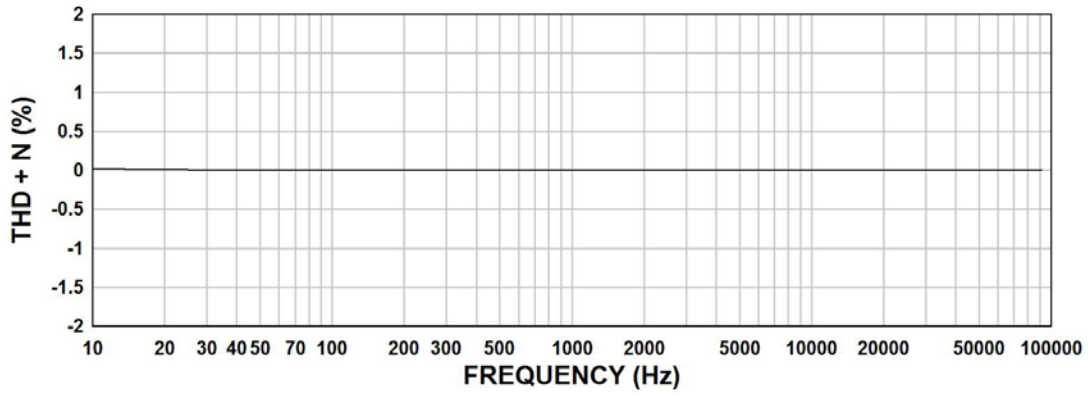
### 1140-LU-F PHASE SHIFT

Input Level 0 dBu  
Rs = 0Ω, RL = 600Ω



### 1140-LU-F THD+N

Input Level +4dBu  
Rs = 0Ω, RL = 600Ω



Measurement instruments  
Hp4192a impedance analyzer  
Hp3456a DVM  
Keithley 2002 DVM  
D scope series iii audio analyzer

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