



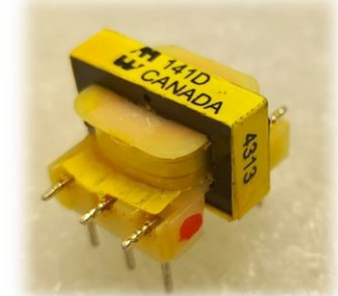
## 141 Series

## PCB-Mount Low Profile Audio Transformer

### 141D

#### Features:

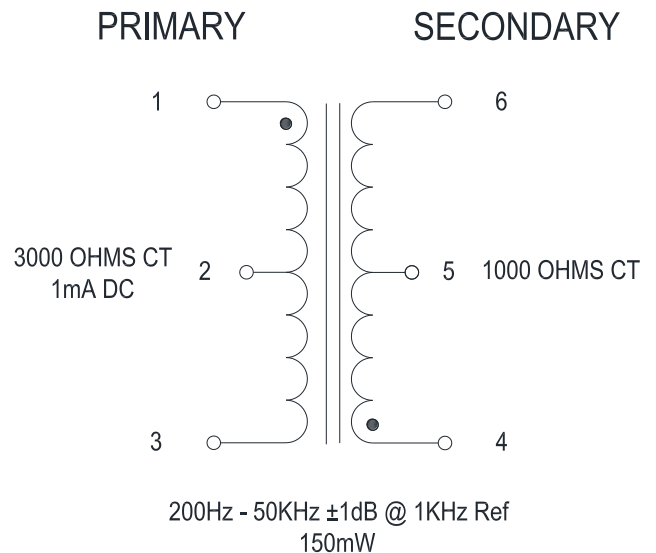
- Pin type (0.25" length & 0.035" diameter), P.C. board mount
- Low profile, open type construction
- Frequency response 200 Hz - 50 KHz.  
( $\pm 1.0$ dB, Reference @ 1 KHz.)
- Core uses high grade silicon laminations (29M6)
- Weight: 0.6 oz.



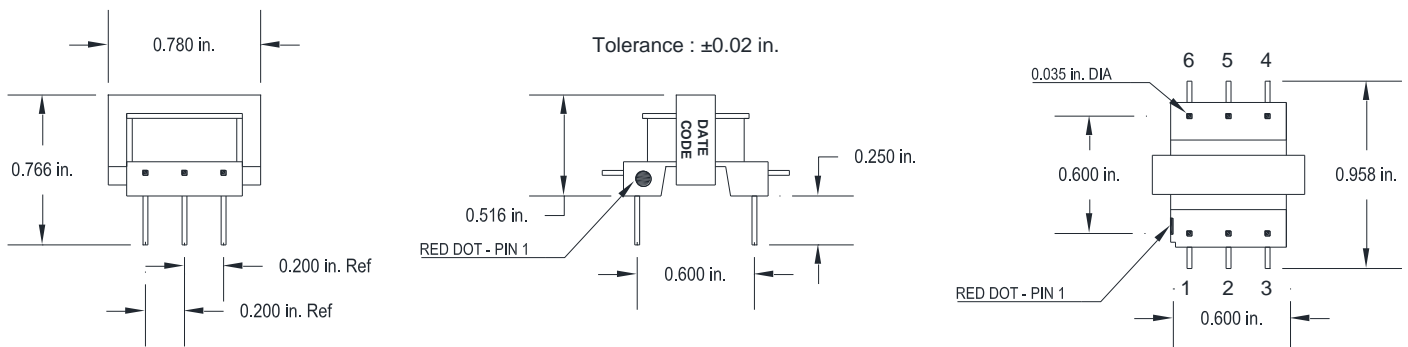
#### ELECTRICAL SPECIFICATIONS

Characteristics	Typical
Input Impedance	3000 Ohms
Output Impedance	1000 Ohms
Output Power	150mW
DCR PRI Pin 1-2	64.480 Ohms $\pm 20\%$
DCR PRI Pin 2-3	64.400 Ohms $\pm 20\%$
DCR SEC Pin 4-5	23.230 Ohms $\pm 20\%$
DCR SEC Pin 5-6	22.900 Ohms $\pm 20\%$
Max. PRI DC	1mA
Dielectric Strength	250 VRMS
Temperature Class	Up to 105 degC
<b>Inductance   Impedance</b>	<b>@ 1 KHz, 1 V OC</b>
PRI Pin 1-3	923.90mH   7.88K Ohm
<b>Leakage Inductance</b>	<b>@ 1 KHz, 1 V SC</b>
PRI Pin 1-3	6.24mH

#### SCHEMATIC



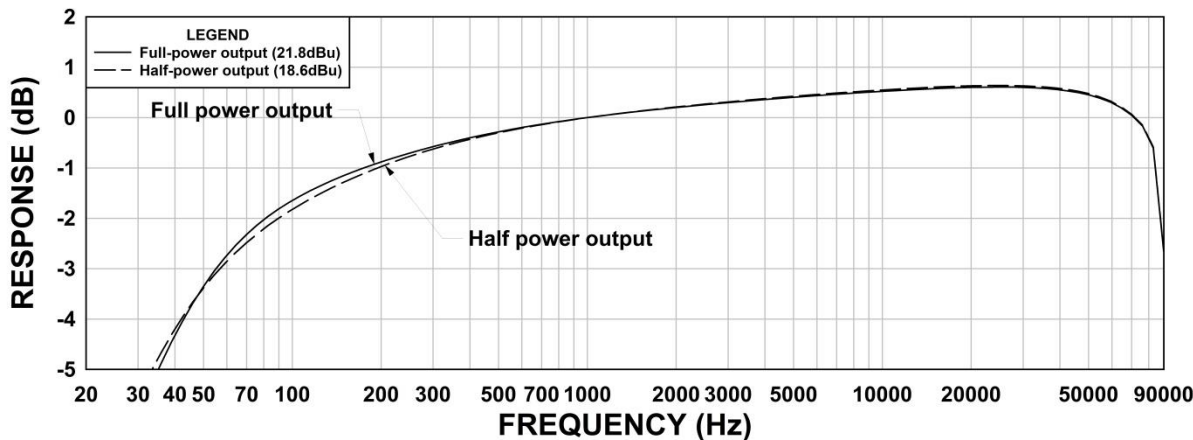
#### DIMENSIONAL DETAILS:



PERFORMANCE GRAPHS:

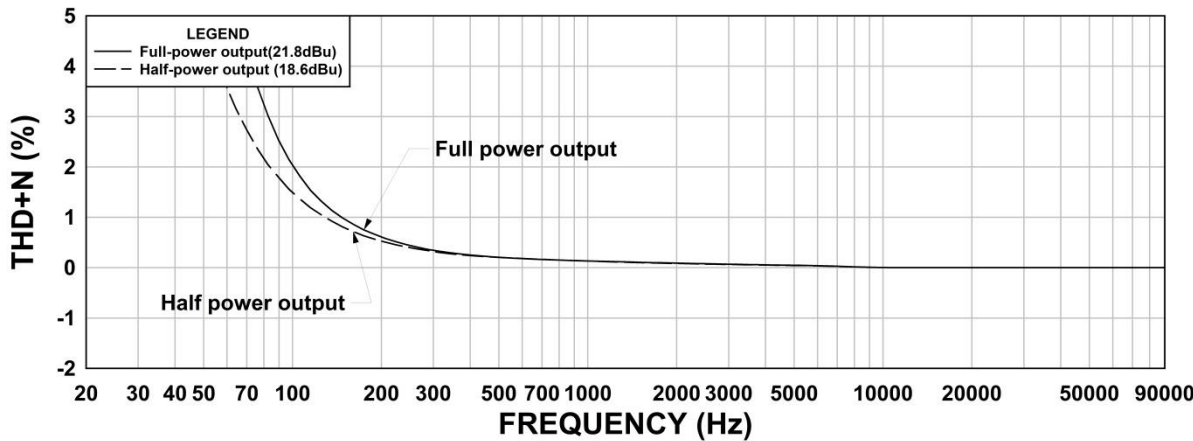
141D Frequency Response

RS = 3K Ohm RL = 1K Ohm @ 1KHz Reference



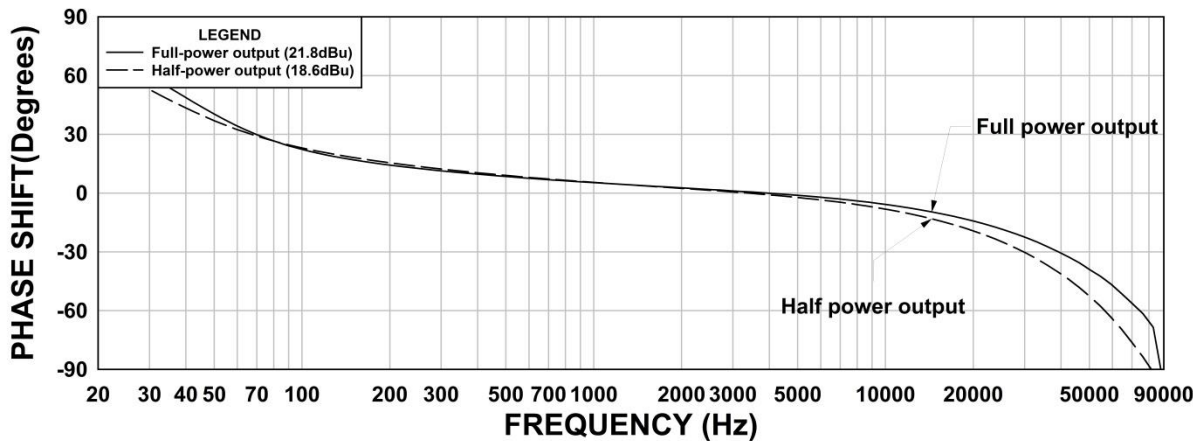
141D THD+N

RS = 3K Ohm RL = 1K Ohm @ 1KHz Reference



141D Phase Shift

RS = 3K Ohm RL = 1K Ohm @ 1KHz Reference



MEASUREMENT INSTRUMENTS

- dScope Series III Audio Analyzer
- Wayne Kerr 3255B with a 3265B Inductance Analyzer
- HP 4192a LF Impedance Analyzer
- Keithley 2010 DVM

\*\*The results are typical and are subject to normal manufacturing and electrical tolerances.

TEST CONDITIONS

