

# 210L POWER AMPLIFIER

## 10 Watts RF Power For:

- Ultrasonic
- Testing
- Laboratory Use



## Featuring:

- 10 KHz – 20 MHz
- 10 W 1dB Compression
- Compact Design
- Solid State Reliability
- Forced Air Cooling

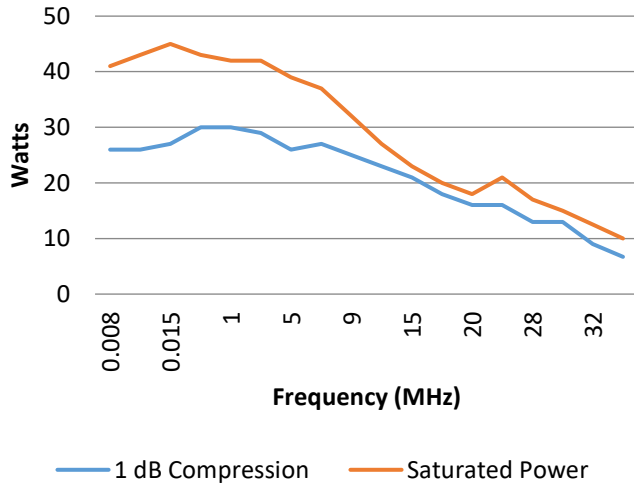


E&I 210L Specifications*	
Class of Operation:	Class A
Frequency Coverage:	10 KHz – 20 MHz
Rated Power:	10 Watts P1dB Compression
Saturated Power:	20 Watts
Power Gain:	40 dB nominal
Gain Flatness:	+/- 1.5 dB
Input Power for Rated Pout:	1 mW / 0dBm
Input Impedance / VSWR:	50 $\Omega$ / 1.5:1 maximum
Output Impedance / VSWR:	50 $\Omega$ / 2:1 maximum
Harmonic Level:	< -20 dBc @ 10W Pout
Ruggedness:	$\infty$ :1 VSWR
Stability:	Unconditional into any passive load
Protection:	Unit will withstand input signal of +13 dBm without damage (1.0 V rms) max.
Third Order Intercept:	IP3 ~ 56 dBm
AC Input:	100 – 240 VAC 47-63 Hz
Temperature Range:	0° – 40° C
Cooling:	Forced Air
Dimensions (H x W x D):	3.25 x 13.5 x 12.0 inches 82.55 x 342.9 x 304 mm
Weight:	8.5 lbs (3.9 Kg)
Connectors:	BNC
RF Input Signal:	AM, FM, SSB, Pulsed

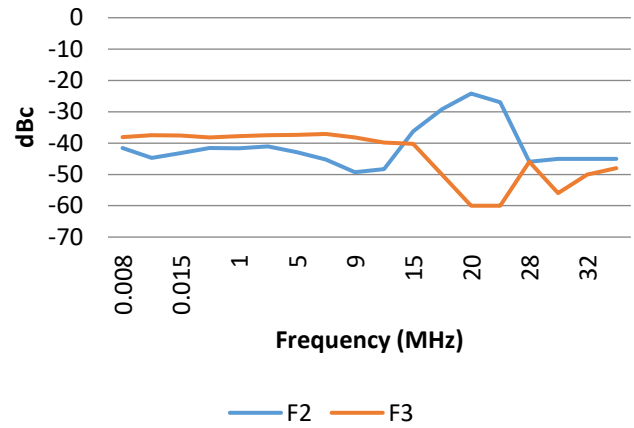


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## 210L Extended Power Data



## Harmonics dBc @ 10 W P<sub>OUT</sub>



### Performance into 50 ohms

Input				Amplifier Gain	Output			
Input Power	V p-p	V rms	Output Power		V p-p	V rms		
Watts	dBm	Volts	Volts	dB	dBm	Watts	Volts	Volts
0.00016	-8.06	0.25	0.09	40	31.94	1.56	25.00	8.84
0.00063	-2.04	0.50	0.18	40	37.96	6.25	50.00	17.68
0.00141	1.48	0.75	0.27	40	41.48	14.06	75.00	26.52
0.00250	3.98	1.00	0.35	40	43.98	25.00	100.00	35.36



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