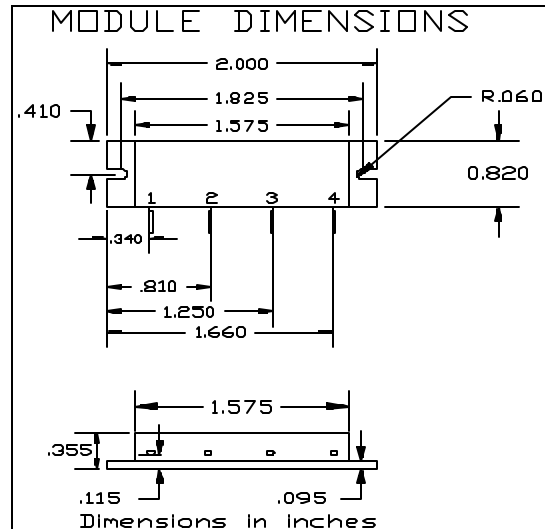




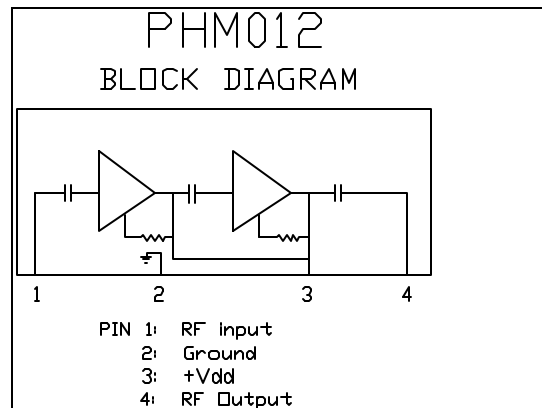
Power RF Amplifiers

50 ohms Input/Output Impedance

The PHM012 is a two stage amplifier specifically designed military and commercial bandwidths. This amplifier can be used as a final stage for portable radio applications.



<i>Parameter</i>	<i>Symbol</i>	<i>Value</i>	<i>Unit</i>
<i>DC supply Voltage 1</i>	<i>VDD1</i>	18	V
<i>DC supply Voltage 2</i>	<i>VDD2</i>		V
<i>Input Power</i>	<i>Pin</i>	0.1	W
<i>Output Power</i>	<i>Pout</i>	10	W
<i>Operating Case Temp.</i>	<i>Tc</i>	-20 to +70	°C
<i>Storage Temp.</i>	<i>Tstg</i>	-30 to +100	°C



Parameter	Symbol	Min	Typical	Max	Unit	Test Conditions
Frequency Range	BW	340		370	Mhz	50 ohm load
Output Power	Po	5			Watts	Idq = 0.6 Amps
Power Gain	PG	25			dB	@ Pout = 5 Watts
Total Efficiency	η	40			%	@ Pout = 5 Watts
2nd Harmonics	dso		-30		dBc	@ Pout = 5 W. Freq = 355 Mhz
Intermod - 2 tone	Ip3	-25			dBm	Freq = 355 Mhz
Load MismatchTolerance	VSWR	10:1			Relative	All Phase Angles
DC supply Voltage 2	VDD2				V	

PHM012

