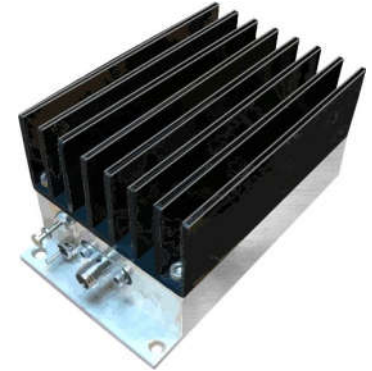


DESCRIPTION

AMCOM's AM324032PA-P2 is a Power Amplifier module. It is designed for general purpose applications. It operates from 3200 MHz to 4000 MHz. The module operates using a 12V supply and uses SMA connectors for input and output.



FEATURES

- Frequency Range: 3200-4000MHz
- Gain: 35dB
- Pout: +32dBm
- IP3: +42dBm
- Noise Figure: 6dB
- Efficiency: 28%
- DC Power: 12V
- SMA Connector

Performance tested at 3600MHz

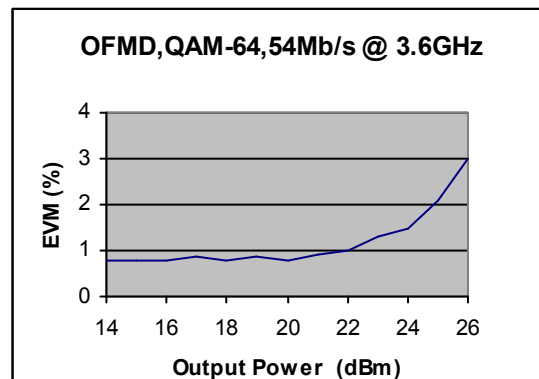
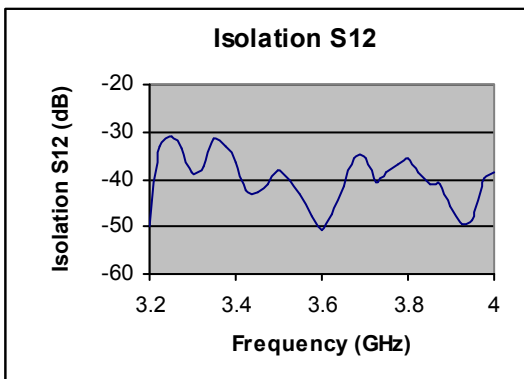
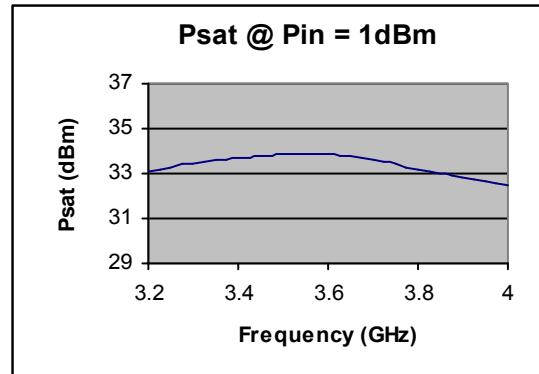
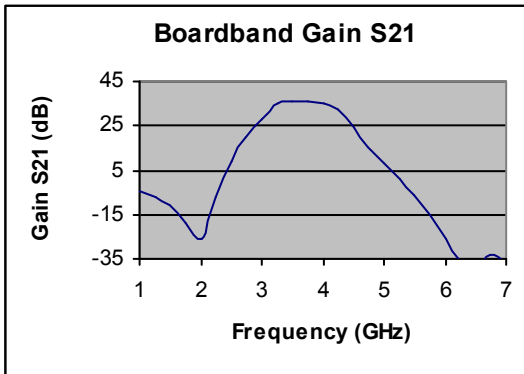
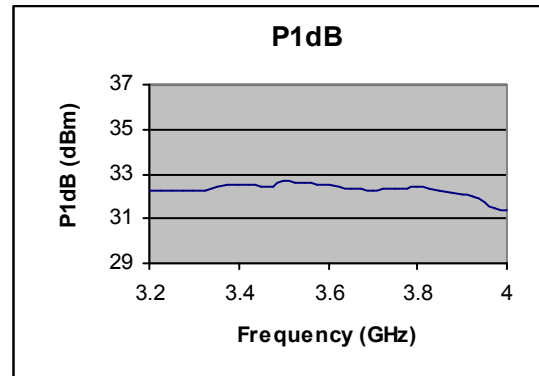
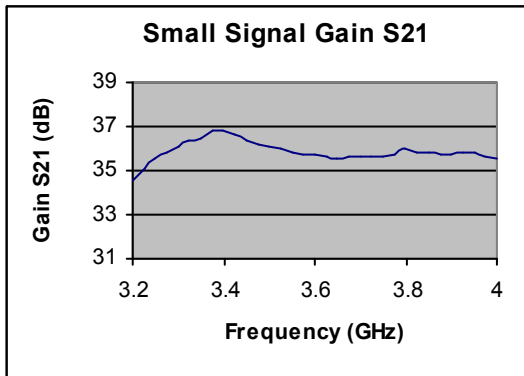
APPLICATIONS

- Wireless Infrastructure
- Military & Aerospace
- Test and Measurement

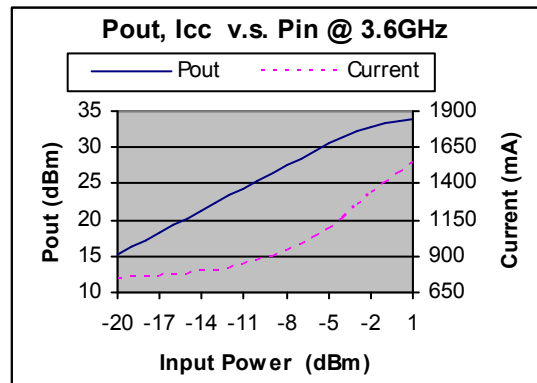
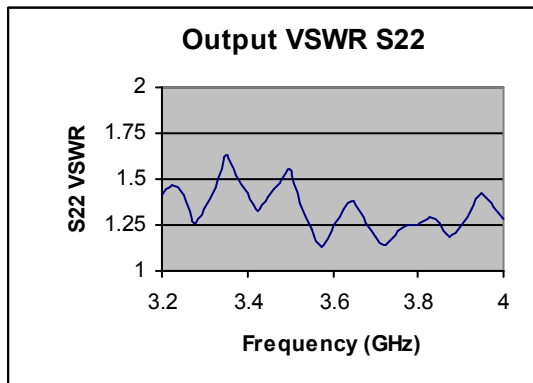
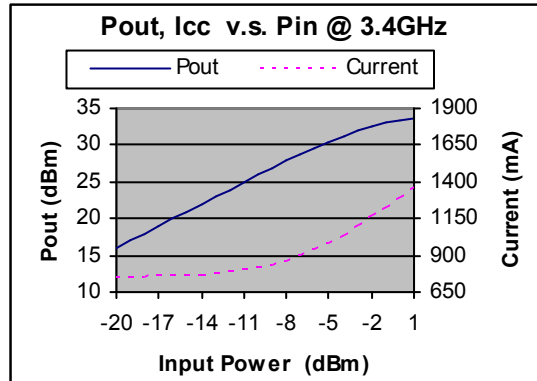
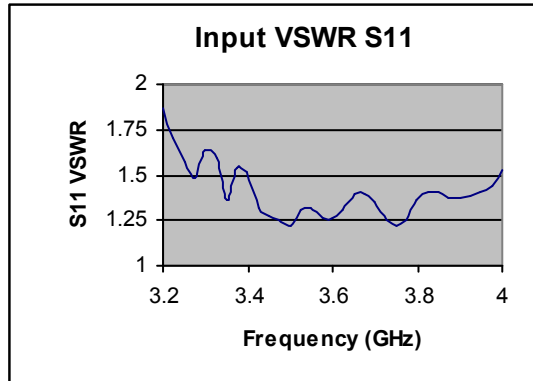
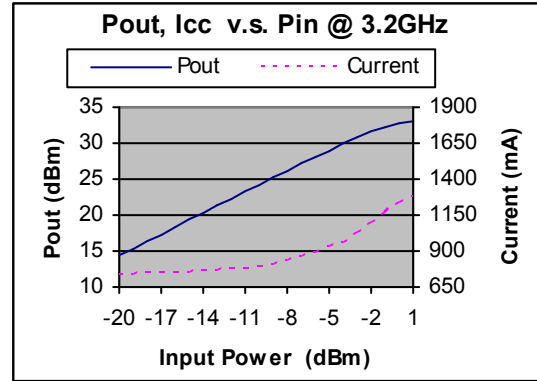
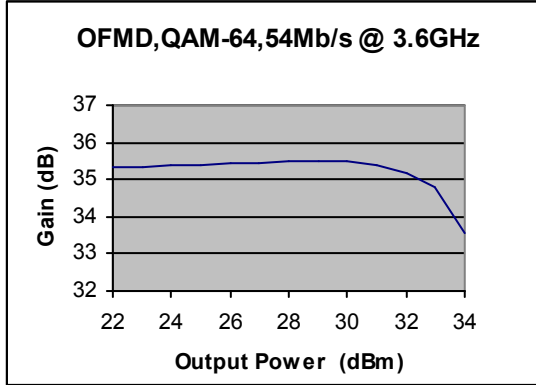
Electrical Specifications @ +25 °C, $Z_S = Z_L = 50 \Omega$, $V_{SUPPLY} = +12V$

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	3200		4000
Small Signal Gain	dB		35	
Output Power P_{1dB} @ $P_{in} = -2dBm$	dBm		+32	
Channel Output Power P_{out} (OFDM QAM-64, 54Mb/s, EVM<2.5%)	dBm		+25	
IP3	dBm		+42	
Reverse Isolation	dB		-50	
Noise Figure	dB		6.0	
Efficiency at Pout = +32dBm	%		28	
VSWR Input/Output			1.3:1/1.3:1	
DC Power Supply	V	9	12	15
Quiescent Current with No Input	mA		730	
Supply Current at $P_{out} = +32dBm$	mA		1300	
Size (Excluding SMA Connector)	inch	3.750" x 2.000" x 1.813"		
Weight	Oz.	8		

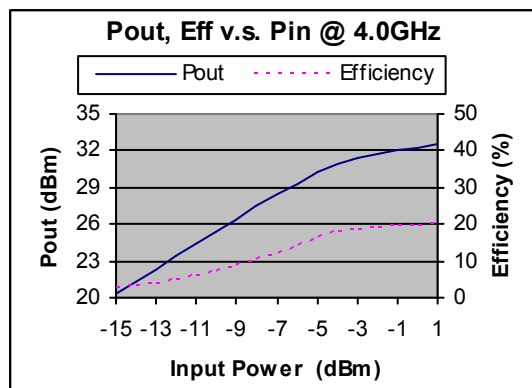
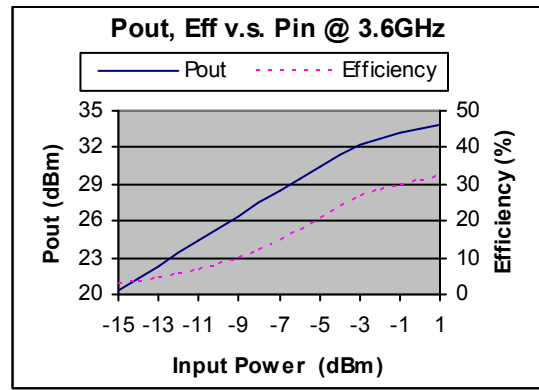
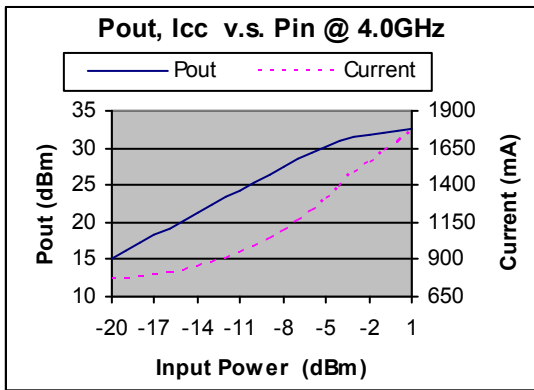
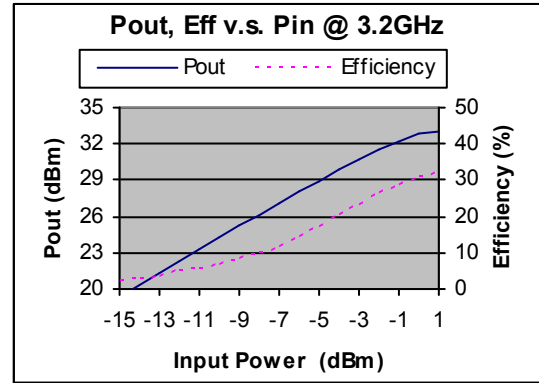
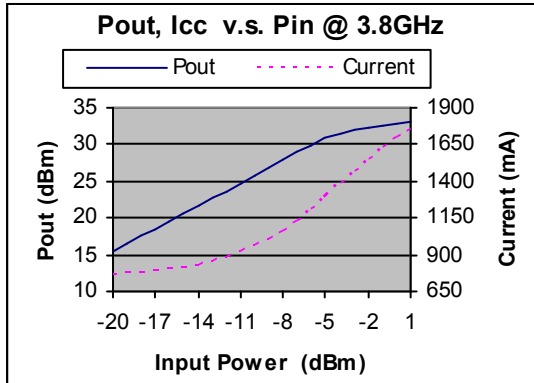
Typical Performance @ +25°C



Typical Performance @ +25°C



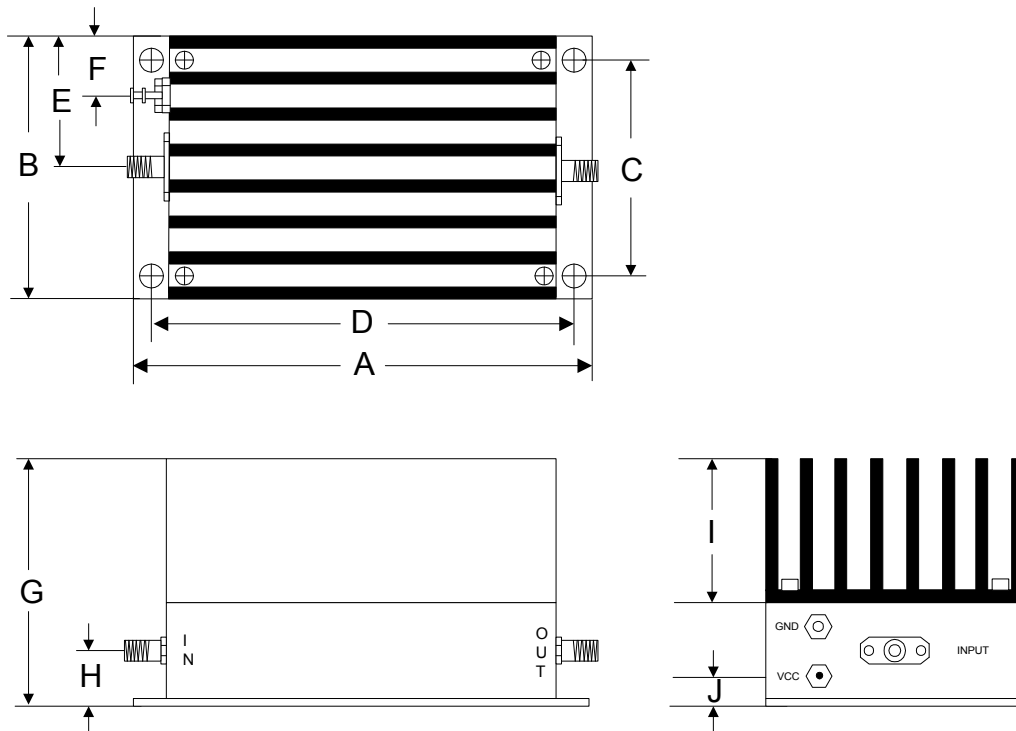
Typical Performance @ +25°C



Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+7dBm
Supply Voltage	+16V
Operating Temperature	-30 °C to +65 °C
Storage Temperature	-55 °C to +100 °C

Outline



	A	B	C	D	E	F	G	H	I	J
Inch	3.750	2.000	1.750	3.400	1.000	0.400	1.813	0.375	1.000	0.238
mm	92.25	50.80	44.45	86.36	25.40	10.16	46.05	9.53	25.40	6.03