



PA3040-10WP1 SOLID STATE POWER AMPLIFIER SYSTEM

FEATURES

Class AB linear GaAsFET hybrid design
Instantaneous wide bandwidth
Designed for EMI/RFI, lab, and General Communication Applications
Suitable for all single channel modulation standards
Rack mount system
Built-in protection circuits
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	30.0 - 40.0 GHz	
Power output at P1dB GCP	10Watt Min	
Power Gain	40 dB Min	
Power Gain Flatness	5.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
Noise Figure	12 dB Max	
Harmonics	<-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	580 Watt Max	At rated Pout
Input Power Protection	+3 dBm Max	<10 Seconds without damage
Load VSWR Protection	$\infty : 1$	<1 Minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 178 x 580 mm	4U
Weight	30 kg.	
RF Connectors In/Out	Type-K Female (2.9 mm)	Front Panel Standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
Digital Monitor & Control	Ethernet RJ-45 TCP/IP, USB, RS422/485	
FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Optional GPIB Interface	

Applications

Test and Measurement

Electronic Warfare

Radar

Broadband Jamming

Public Safety

Quality & Certifications

AS9100 Rev C

ISO9001:2008



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