

Broadband High Power Amplifier

Product Name: ACA2560H47D0

Doc. Name: Preliminary Short Spec.

<p style="text-align: center;">Preliminary Short Specification for ACA2560H47D0</p>
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2016/04/27	2018/8/23		A	 APCTECH

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ELECTRICAL SPECIFICATIONS		@ 50 Ohms load, 28 Vdc , Tc=35℃
Parameter	Specification	Remark
Frequency Range	2500 ~ 6000 MHz	
Saturated Output Power	50W min.	@ CW, 50 Ohm load condition
Large Signal Gain	42dBmin	Input Level=0dBm
Small Signal Gain	53dB min	Input Level=-15dBm
Large Signal Gain Flatness	Peak to Peak 6dB	Input Level=0dBm
Small Signal Gain Flatness	Peak to Peak 6dB	Input Level=-15dBm
Maximum Input Power for no Damage on DC on	5dBm max	
Input VSWR	Less than 2 : 1	
Output VSWR	Less than 2 : 1	Built in Isolator
Enable/Disable Switching Time	10 μsec max.	
DC Input Voltage	+28 ± 1.0Vdc	
Current Consumption	13A max. 11A typ.	@ Pout = 50W
I/O Interface(D-Sub 9pin Male)	1. Enable (Active Low)	
	2. Forward Power Detector	
	3. N.C	
	4. Reflected Power Detector	
	5. Temperature Monitor	VT=10(mV)*Tc(℃)+500(mV) Tc=Case Temperature± 5℃
	6. Vcc	
	7. Vcc	
	8. GND	
	9. GND	

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ENVIRONMENTAL SPECIFICATIONS		
Parameter	Specification	Remark
Operating Case Temperature	-20 ~ 70 °C	At a hottest point of the mechanical case of amplifier module
Storage Temperature	-40 ~ 85 °C	

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MECHANICAL SPECIFICATIONS

Parameter	Specification	Remark
Dimension	269 x 140 x 25 mm ³	w/o connectors
Weight	Less than 1700g	
RF Input Connector	SMA – Female	
RF Output Connector	N– Female	
DC / Interface Connector	D – Sub 9 Pin Male	
Cooling	Adequate Heat-sink required	

MECHANICAL DRAWING

DRAWING REFERENCE: This is subject to change without notice.

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