

Broadband High Power Amplifier

Product Name : RCA05-25H52A

Doc. Name : Preliminary Short Spec.

<p style="text-align: center;">Preliminary Short Specification for RCA05-25H52A</p>
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The Specifications is subject to change before finalization

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Broadband High Power Amplifier

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ELECTRICAL SPECIFICATIONS		@ 28 Vdc, 50 Ohms Load, Tc = 35 °C
Parameter	Specification	Remark
Frequency Range	500 ~ 2500 MHz	
Saturated Output Power	150 Watts typ., 120Watts min.	
Small Signal Gain	50 dB min	Input Power = - 15 dBm
Gain Flatness	Peak to Peak 6 dB	Input Power = - 15 dBm
Maximum Input Power	10 dBm max	
Input VSWR	2:1 max	
DC Input Voltage	28 ± 1 V	
Current Consumption	24 A max. @ Pout = 150 W 17 A max. @ Pout = 120 W	
RF Input Signal Format	CW	
I/O Map(D-Sub 9Pin Male)	1. Enable(Active Low) 2. Reserved 3. Reserved 4. Reserved 5. Temperature Monitor 6. Do not connect 7. Do not connect 8. Do not connect 9. Do not connect	Pulled up @ 5 V with 10 kohm 5V(Back-off by 20~30dB), 0V(Normal Gain) VT = ((0.02 V * Temp°C) + 1 V) ± 0.1V

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ENVIRONMENTAL SPECIFICATIONS		
Parameter	Specification	Remark
Operating Case Temperature	-20 ~ 60 °C	
Storage Temperature	-40 ~ 85 °C	

MECHANICAL SPECIFICATIONS		
Parameter	Specification	Remark
Dimension	250 * 280 * 28 mm	
Input Connector	SMA Type Female	
Output Connector	N Type Female	
DC Connector	3W3(A1: VCC, A2 : GND, A3 : N.C)	
Control Connector	D-Sub 9Pin Male	
Cooling	Adequate Heat-sink required	

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