

300–2700 MHz 100 W Wideband Module

RF Specifications:

测试项目Test Items	指标Parameter	单 位 Unit	备注Remark
频率范围Frequency range	300-2700	MHz	
工作电压Operating voltage	32	V	28-32
典型输出功率 Typical output power	100	W	100W@8.2A Typical value
输出功率范围 Output power range	90-150	W	
输出电流范围 Output current range	7.2-11.6	A	
典型功放效率输出 Typical power amplifier output efficiency	37	%	@100W
最大增益Maximum gain	48	db	最大功率增益 Maximum power gain
增益平坦度Gain flatness	≤ 5	db	
标准输入功率 Standard input power	3	dbm	
最大不损坏功率 Maximum non-destructive power	≤ 10	dbm	

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输入端口驻波比 Input port VSWR		≤ 2		不加电，网分测试 Tested using a network analyzer in an unpowered state.
高低温测试 High and Low Temperature Testing	工作环境温度 (°C) Operating ambient temperature	-10~+55°C	°C	
	功率稳定度 Power stability	$\pm 1.0@-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$	dB	
供电要求 Power supply requirements		$\geq 12\text{A}@32\text{Vdc};$		连续波输出100W 100W continuous wave output
供电接口 Power supply interface		穿心电容 Feed-through capacitor		

控制通信接口 Control communication interface	RS-485 communication protocol TTL communication		Supports temperature, current, and voltage monitoring, as well as RF output power monitoring. 2.54mm 2x4 Header/Socket; TTL communication enables interaction with the digital source, allowing for the configuration of its frequency band and output power level.
射频输出接头 RF output connector			输入SMA，输出N母 SMA input, N-female output
尺寸Dimension	170*77*24.5	mm	
重量Weight	630	g	
安装孔Mounting hole	152.3*71.5	mm	M3.0*4

Product Dimensions

