

1100 to 2900MHz 50W – Power Amplifier

UIYPA18090D1100T2900SF

RF Characteristics @T=25°C, VDD=+28VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	1100		2900	MHz
Power Output CW	Po		50		W
Power @1dB	P1dB		20		W
Power Gain @CW	G		42		dB
Gain Flatness	△G		±2.0		dB
Input/Output VSWR	S11/S22		2:1	2.5:1	
Odd Harmonics @CW	H	8	10		dBc
Even Harmonics @CW	H	20	22		dBc
Spurious Signals	Spur	65	70		dBc
Operating Voltage	VDC		28		Volt
Current Consumption	I		10		A
Operating Temperature	Tc	-25		+55	°C
Storage Temperature	Tstg	-55		+85	°C
Thermal Overload	Tod	85°C			Max
VSWR Overload	VSWR	3:1			Max
Imax Overload	Imax	12A			Max
RFin-max Overload	RFin-max	10dBm			Max
Interface Connector	DB-9				
Connector Type	SMA				
✧ Listed are specific frequency ranges and other ranges are available.					
✧ Please provide the below information when inquiring and mark * is required.					
* 1. The specific pass band frequency range					
* 2. The specific Gain and Power					
3. Other special requests.					

Mechanical Drawing

Note: External heatsink is needed in this module



Unit: mm/ inch, General part tolerance is ±2% unless otherwise stated.

Ver. 5