

2 to 6GHz 50W – Power Amplifier

UIYPA18090E2000T6000SF

RF Characteristics @T=25°C, VDD=+28VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	2000		6000	MHz
Power Output CW	Po		50		W
Power @1dB	P1dB		20		W
Power Gain @CW	G		42		dB
Gain Flatness	ΔG		±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