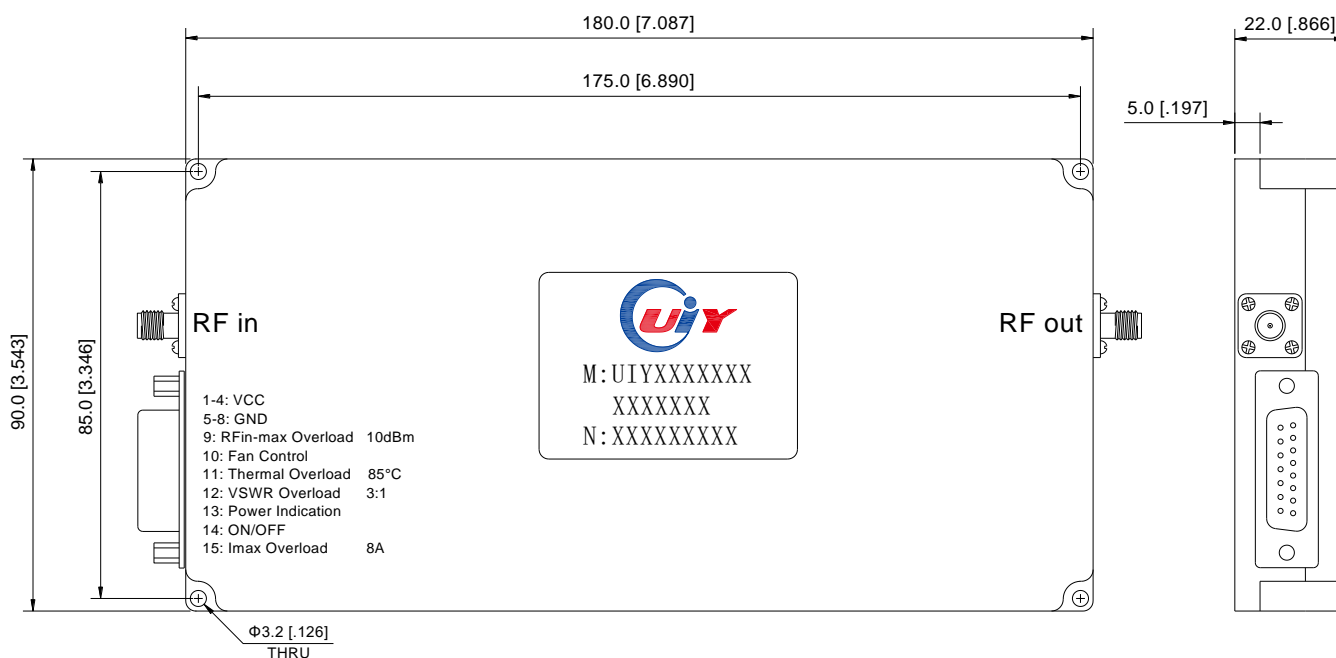


14.4 to 15.4GHz 45dBm – Power Amplifier UIYPA18090K1440T1540SF

RF Characteristics @T=25°C, VDD=+28VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	14.4		15.4	GHz
Power Output CW	Po		45		dBm
Power Gain @CW	G		47		dB
Gain Flatness	ΔG		±1.5	±2.0	dB
Input/Output VSWR	S11/S22		2:1	2.5:1	
Spurious Signals	Spur	65	70		dBc
Operating Voltage	VDC		28		Volt
Operating Temperature	Tc	-40		+80	°C
Storage Temperature	Tstg	-55		+85	°C
Thermal Overload	Tod		85°C		Max
VSWR Overload	VSWR		3:1		Max
Imax Overload	Imax		8A		Max
RFin-max Overload	RFin-max		10dBm		Max
Interface Connector			DB-15		
Connector Type			SMA Female		
✧ 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 $\pm 2\%$ unless otherwise stated.

Ver. 5