

Preliminary

MTPA60218345462

Broadband Power Amplifier

6-18GHz 40W



MODEL DESCRIPTION

MTPA60218345462 is a complete solid state microwave power amplifier module that features high efficiency, high output power and wide dynamic range. It is based on advanced microwave device technology and provides long-term reliability and high ruggedness.

FEATURE

6GHz-18GHz ultra-broadband

Psat: 40W

High efficiency, High reliability and ruggedness

Good linearity, Low distortion

Applications: Test& Measurement, Broadcasting, Communication etc.

GENERAL SPECIFICATION

Parameter	Unit	Min.	Typical	Max.
Frequency	GHz	6		18
Power Gain (@Psat)	dB	-	45	-
Gain Flatness	+/-dB	-	3	-
Gain Flatness over temp.	+/-dB	-	3	-
Psat	dBm	-	46	-
INPUT Return Loss	dB	-	-10	-
OUTPUT Return Loss	dB	-	-10	-
Maximum input power	dBm	-	10	-
Harmonic	dBc	-	-15	-
Spur	dBc	-	-60	-

ENVIRONMENTAL SPECIFICATIONS:

Parameter	Unit	Min	Typical	Max
Voltage	V(AC)	110	220	240
Current	A	-	1	-
Operating Temperature	°C	0	-	50
Non-Operating Temperature	°C	-40	-	70

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MECHANICAL SPECIFICATIONS:

Parameter	Unit	Min	Typical	Max
Dimensions WxHxD	mm		86x80x177	
Weight	Kg	-	25	-
RF Input&Output			N-F	

OPTIONS: (Exclusive from Quote)

PIND	Power Indication (built-in coupler)	\$6000
USUP	110-240V AC/50~60Hz	FREE
LCDS	LCD Display (Temperature, Current, Power, Fault etc)	\$750
GADJ	20dB Gain Adjustment	\$750
LAN	Remote control or monitoring through LAN	\$300
RS232	Remote control or monitoring through RS232	\$300
RS485	Remote control or monitoring through RS485	\$300

MODEL APPEARANCE

