



Ka-Band 8W BUC

Key Features:

- * Smart Size only 145×100×40mm
- * Extreme Stability, Reliability and Performance
- * High Efficiency and Low Con-sumption
- * Built-in Ultra Receive Band Reject Filter
- * Extreme GaN Linearity and Efficiency
- * Exceeds ALL IESS-308/309 Phase Noise Standards
- * Weather-Proof IP65 Standard

Optional Features:

- * Built in 10MHz OCXO Optional
- * RS232&485 and RS232&Ethernet Optional
- * 18—36V and 36—72V Power Supply Optional

Parameter	Model No.		
	MT1908		
Optional Frequency	RF (GHz)	IF (GHz)	LO(GHz)
	29.4—31	2.4—4	27
	29—30/30—31	1.4—2.4	27.6/28.6
	29—31(any 500MHz)	0.95—1.45	/
Reference Frequency	10MHz 0dBm±5dB		
Small Signal Gain	60dB nominal,55dB min		
Gain Adjustment	20 dB in 0.5 dB steps nominal		
Gain Variation Over frequency at fixed temp	1 dB p-p over 40 MHz; 3 dB p-p over 500 MHz; 5 dB p-p over 1000 MHz		

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Gain Variation Over temp at fixed frequency	4 dB p-p
Saturated Output Power	39 dBm min.
Rated Output Power	39 dBm
IM3 at 3 dB total power back-off from Rated Output Power	-22 dBc
Phase Noise	-63 dBc/Hz @ 100Hz; -73 dBc/Hz @ 1KHz; -83 dBc/Hz @ 10KHz; -93 dBc/Hz @ 100KHz
Noise Power Density Transmit	-76 dBm/Hz
Noise Power Density Receive	-156 dBm/Hz
Output Spurious	-55 dBc
IF Input VSWR	1.8:1
RF Output VSWR	2:1

Mechanical Parameter

IF Input Connector&Impedance	Type N Female 50 Ohms Type F Female 75 Ohms Optional
RF Output Connector	WR28
DC and M&C Connector	PT02E-14-12P
LED Indicator	Red*1,blue*1
DC Power	48W(36-60V)
DC Power Draw (at Rated Power)	70W max
Size	145×100×40mm
Weight	0.8kg
Operating Temperature (Ambient Air)	-40 to +60 °C
Weatherproof	IP 65



Picture

