



Ku-Band 25W BUC

Key Features:

- * Smart Size only 157×103×60mm
- * Extreme Stability, Reliability and Performance
- * High Efficiency and Low Con-sumption
- * Built in IF RMS Detector
- * 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.		
	MT1904		
Optional Frequency	RF (GHz)	IF (GHz)	LO(GHz)
	14-14.5	0.95—1.45	13.05
	13.75-14.5	0.95—1.7	12.8
	14—14.5	2.5—3	11.5
	13.75—14.5	2.25—3	11.5
Reference Frequency	10MHz 0dBm±5dB		
Small Signal Gain	70 dB nominal,65 dB 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; 4 dB p-p over 750 MHz
Gain Variation Over temp at fixed frequency	4 dB p-p
Saturated Output Power	44 dBm min.
Rated Output Power	44 dBm
IM3 at 3 dB total power back-off from Rated Output Power	-25 dBc
Phase Noise	-65 dBc/Hz @ 100Hz; -75 dBc/Hz @ 1KHz; -85 dBc/Hz @ 10KHz; -95 dBc/Hz @ 100KHz
Noise Power Density Transmit	-76 dBm/Hz
Noise Power Density Receive	-156 dBm/Hz
Output Spurious	-60 dBc
IF Input VSWR	1.5:1
RF Output VSWR	1.25:1

Mechanical Parameter

IF Input Connector&Impedance	Type N Female 50 Ohms
RF Output Connector	WR75
DC and M&C Connector	PT02E-14-12P
LED Indicator	Red*1,blue*1
DC Power	48W(36-72V) 24/28V (18-36V) Optional
DC Power Draw (at Rated Power)	250W max
Size	157×103×60mm
Weight	1.5kg

Microwave Town Company LLC



Operating Temperature (Ambient Air)	-40 to +60 °C
Weatherproof	IP 65

Picture

