



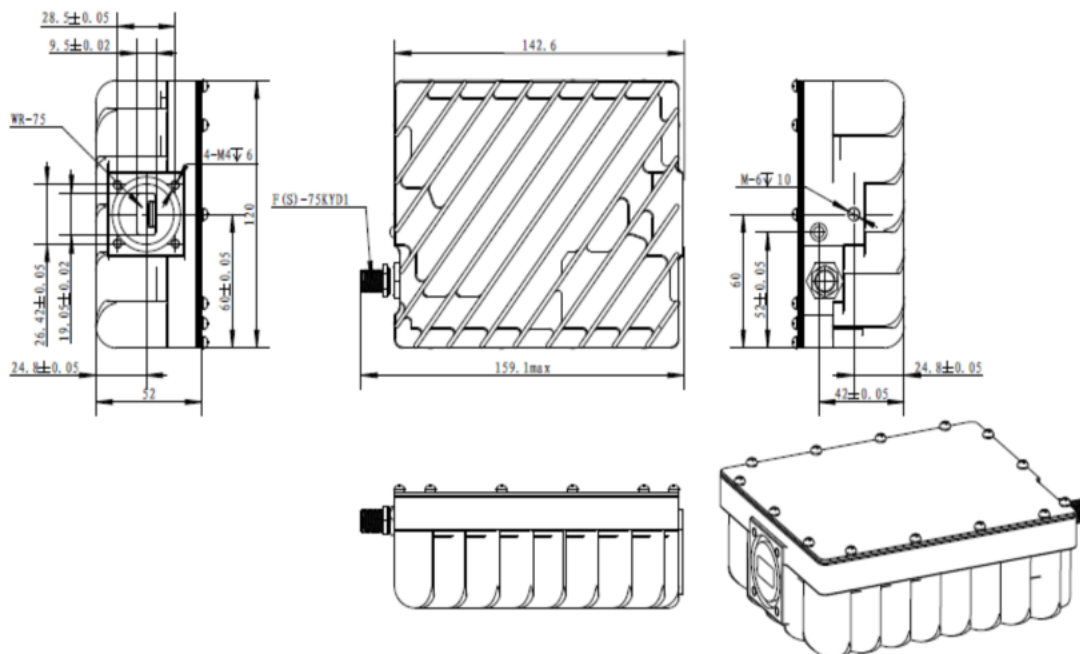
Ku Band BUC 6/8W



Technical characteristics:

- Low power consumption(GaN);
- Digital temperature compensation;
- Lock instructions;
- Small size.

Boundary Dimension (mm)





Main Parameter Index (50Ω Test System, $V_{cc}=28V$, Temperature Range: $-40^{\circ}C \sim 60^{\circ}C$)

Parameter	Typical Value	
Motel	HX-KuBUC-6	HX-KuBUC-8
RF Band	14GHz~14.5GHz	
	13.75GHz-14.5GHz (extend)	
IF Band	0.95GHz-1.45GHz	
	0.95GHz-1.70GHz(extend)	
Output power	37dBm min.	39dBm min.
Gain	62dB min, 67dB max.	
IMD3	-26dBc@36dBm typ.	
Spurious	$\leq -50dB$	
Gain Flatness	$\pm 1dB@36MHz$, $\pm 2dB@P-P$	
Phase Noise	$\leq -70 dBc/Hz@ 100 Hz$	
	$\leq -80dBc/Hz@ 1kHz$	
	$\leq -90 dBc/Hz@ 10kHz$	
	$\leq -100 dBc/Hz@ 100 kHz$	
IF Interface	F(F)-75/N(F)-50	
RF Interface	WR-75 with Groove	
Input V.S.W.R	2:1 typ.	
Output V.S.W.R	2:1 typ.	
Power Supply and Consumption	15~30VDC, 40W@39dBm	
Dimensions	142.6mm×120mm×52 mm	
Weight	1.2kg	