

SATCOM TRANSMITTER

BUC

Ku-band 60W BUC

T1360, T1460



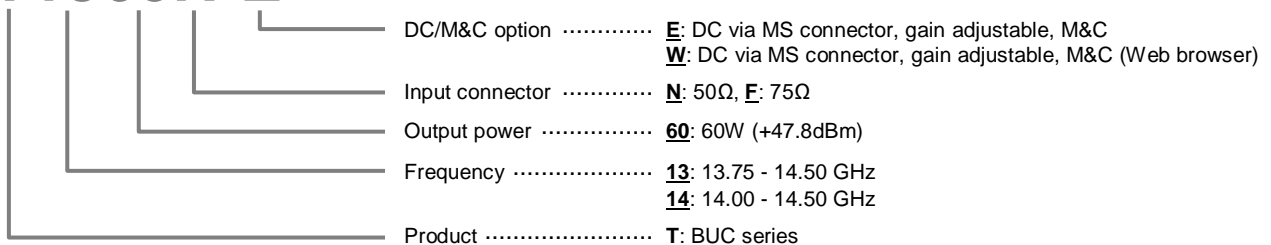
TYPICAL SPECIFICATIONS

Output frequency	T1360: 13.75 to 14.50 GHz T1460: 14.00 to 14.50 GHz	Gain	73dB typ @0dB attenuation
Input frequency	T1360: 950 to 1700 MHz T1460: 950 to 1450 MHz	Gain control	Δ15dB (58 to 73 dB), 1dB step
LO frequency	T1360: 12.80GHz T1460: 13.05GHz	Gain stability over temp	±2.0dB at any const. frequency
Frequency sense	No inversion	Gain flatness	±1.0dB in any 36MHz ±2.5dB over full band
Saturated output power	+47.8dBm typ	Power requirement	+43 to +53 VDC supplied through MS connector
Linear output power	+44.8dBm	Power consumption	540W max
Input return loss	12dB min	Input interface	N-female, F-female
Output return loss	14dB min	Output interface	WR-75
Phase noise (SSB)	-60dBc/Hz max @100Hz -73dBc/Hz max @1KHz -83dBc/Hz max @10KHz -93dBc/Hz max @100KHz	Dimension	305(L) x 180(W) x 150(H) mm
External reference signal frequency	10MHz	Weight	13Kg
External reference level	-5 to +5 dBm	Operating temp	-40 to +55 °C
External reference phase noise	-140dBc/Hz max @ 1KHz	Humidity	0 - 95 %
Spectral regrowth	25dBc min @linear power DVB-S2, 8PSK, 5 Msps, roll-off of 25%	DC connector	MS3112E14-5P
Spurious		M&C interface	MS3112E12-10P
In-band	-60dBc max @linear power	M&C function	- Output power - Temperature - LO status - Output power mute - Gain control - Fan status - Firmware upgradable
Out-band	-50dBc max @linear power		

* External mute option is available upon customer request.

HOW TO ORDER Ku-BAND 60W BUC

T1360N-E

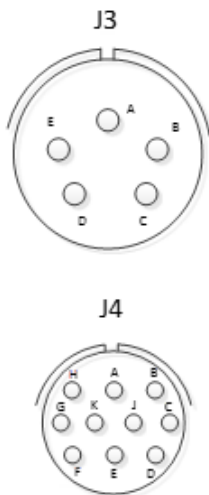
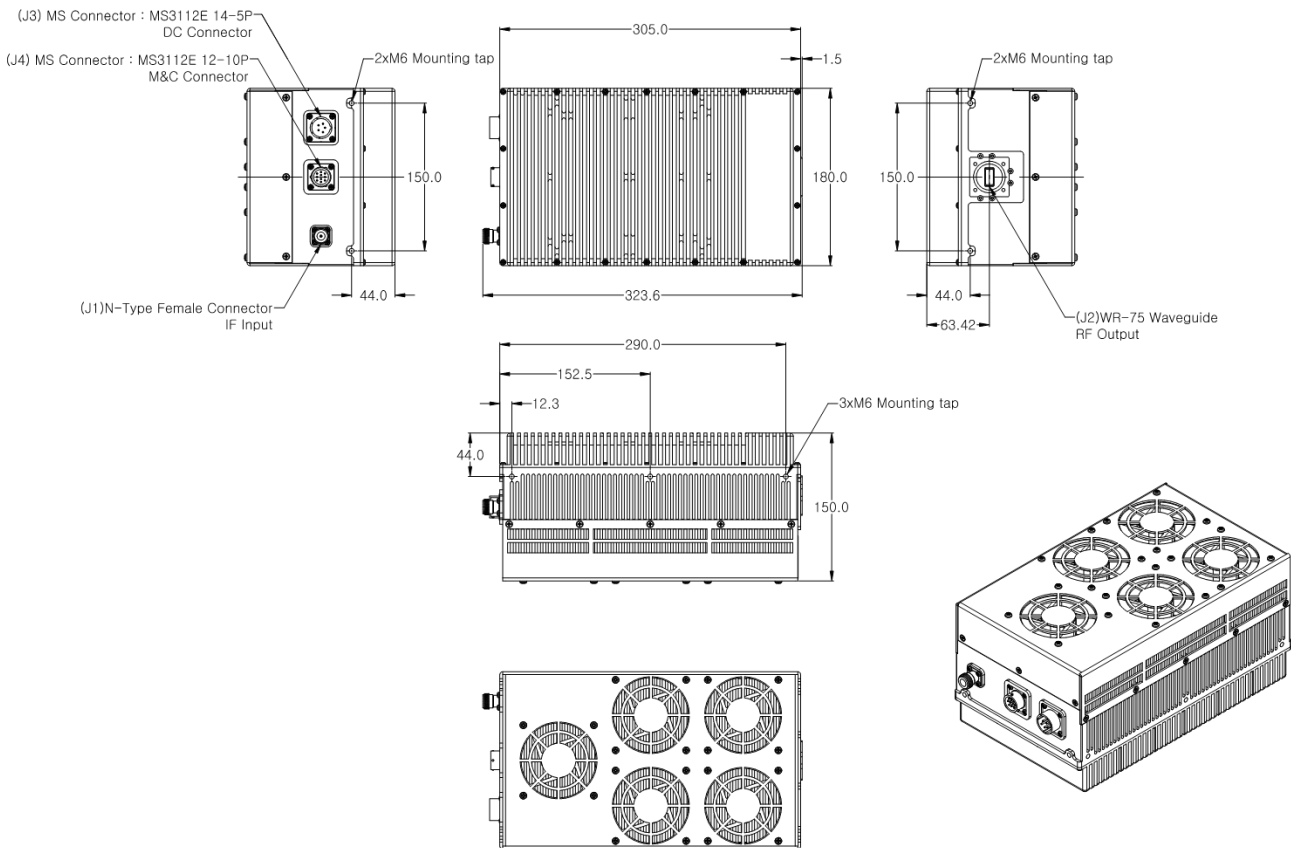


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AVAILABLE OPTIONS

Option	Gain Control	Connectors		M&C	
		DC Input	M&C	PC-based GUI (Ethernet or RS-232)	Web-based GUI (Web browser)
E	Adjustable	MS3112E14-5P (5-pin)	MS3112E12-10P (10-pin)	Available	Unavailable
W	Adjustable	MS3112E14-5P (5-pin)	MS3112E12-10P (10-pin)	Available	Available

OUTLINE DRAWING AND INTERFACE



Connector	Parameter	Description
J1	IF input connector	N-female, panel-mounted
	Impedance	50 ohm
	10MHz reference input	
J2	RF output connector	WR-75
J3	DC	Panel-mount (MS3112E14-5P)
	A	N.C.(Not connected)
	B, C	+43 to +53 VDC (DC Power +)
	D, E	GND (DC Power -)
J4	M&C(Ethernet or RS232)	Panel-mount (MS3112E12-10P)
	J4-A	RS-232 Tx
	J4-B	RS-232 Rx
	J4-C	Ethernet Rx-
	J4-D	
	J4-E	EXT Mute GND (Option*)
	J4-F	EXT Mute HIGH (Option*)
	J4-G	Ethernet Tx+
	J4-H	RS-232 GND
	J4-J	Ethernet Rx+
J4-K	Ethernet Tx-	

* External mute option is available upon customer request. External mute is activated by connecting EXT Mute HIGH(J4-F) to EXT Mute GND(J4-E).