

SATCOM TRANSMITTER

BUC

C-band 50W BUC

T5050, T5150, T5250, T5350, T5450, T6050



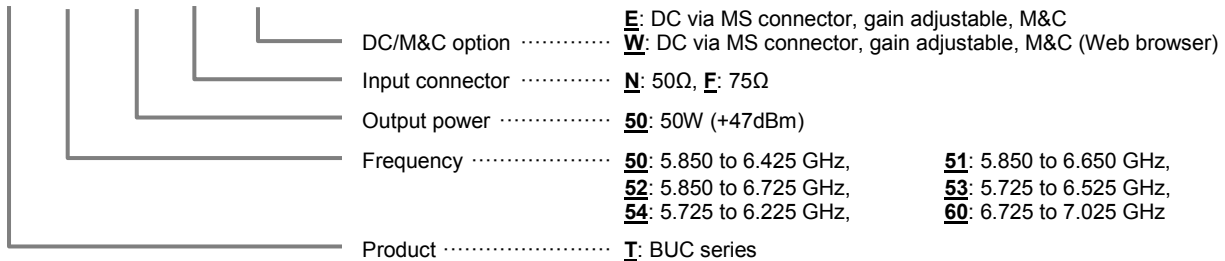
TYPICAL SPECIFICATIONS

Output frequency	T5050: 5.850 to 6.425 GHz T5150: 5.850 to 6.650 GHz T5250: 5.850 to 6.725 GHz T5350: 5.725 to 6.525 GHz T5450: 5.725 to 6.225 GHz T6050: 6.725 to 7.025 GHz	Spurious (In/Out-band)	-50dBc
Input frequency	T5050: 950 to 1525 MHz T5150: 950 to 1750 MHz T5250: 950 to 1825 MHz T5350: 950 to 1750 MHz T5450: 975 to 1475 MHz T6050: 950 to 1250 MHz	Gain	73dB typ @0dB attenuation
LO frequency	T5050: 4.9GHz T5150: 4.9GHz T5250: 4.9GHz T5350: 4.775GHz T5450: 4.75GHz T6050: 5.775GHz	Gain control	Δ15dB (58 to 73 dB), 1dB step
Frequency sense	No inversion	Gain stability over temp	±2.0dB max
Output P1dB	+47dBm typ @+23°C	Gain flatness	±1.0dB in any 36MHz ±2.5dB over full band
Input return loss	12dB min	Power requirement	+43 to +53 VDC supplied through MS connector
Output return loss	15dB min	Power consumption	400W max
Phase noise (SSB)	-60dBc/Hz max @100Hz -73dBc/Hz max @1KHz -83dBc/Hz max @10KHz -93dBc/Hz max @100KHz	Input interface	N-female, F-female
External reference Signal frequency / level	10MHz / -5 to +5 dBm	Output interface	CPR-137G
External reference phase noise	-140dBc/Hz max @1KHz	Dimension	305(L) x 180(W) x 150(H) mm
		Weight	13Kg max
		Operating temp	-40 to 55 °C
		Humidity	0 - 95 %
		DC connector	MS3112E14-5P
		M&C interface	MS3112E12-10P
		M&C function	- Output power - Temperature - LO status - Output power mute - Gain control - Fan status - Firmware upgradable

* External mute option is available upon customer request.

HOW TO ORDER C-BAND 50W BUC

T5350N-E

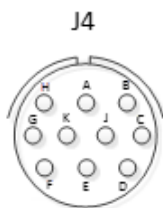
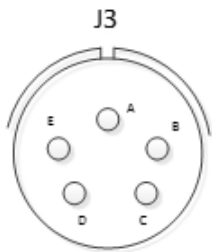
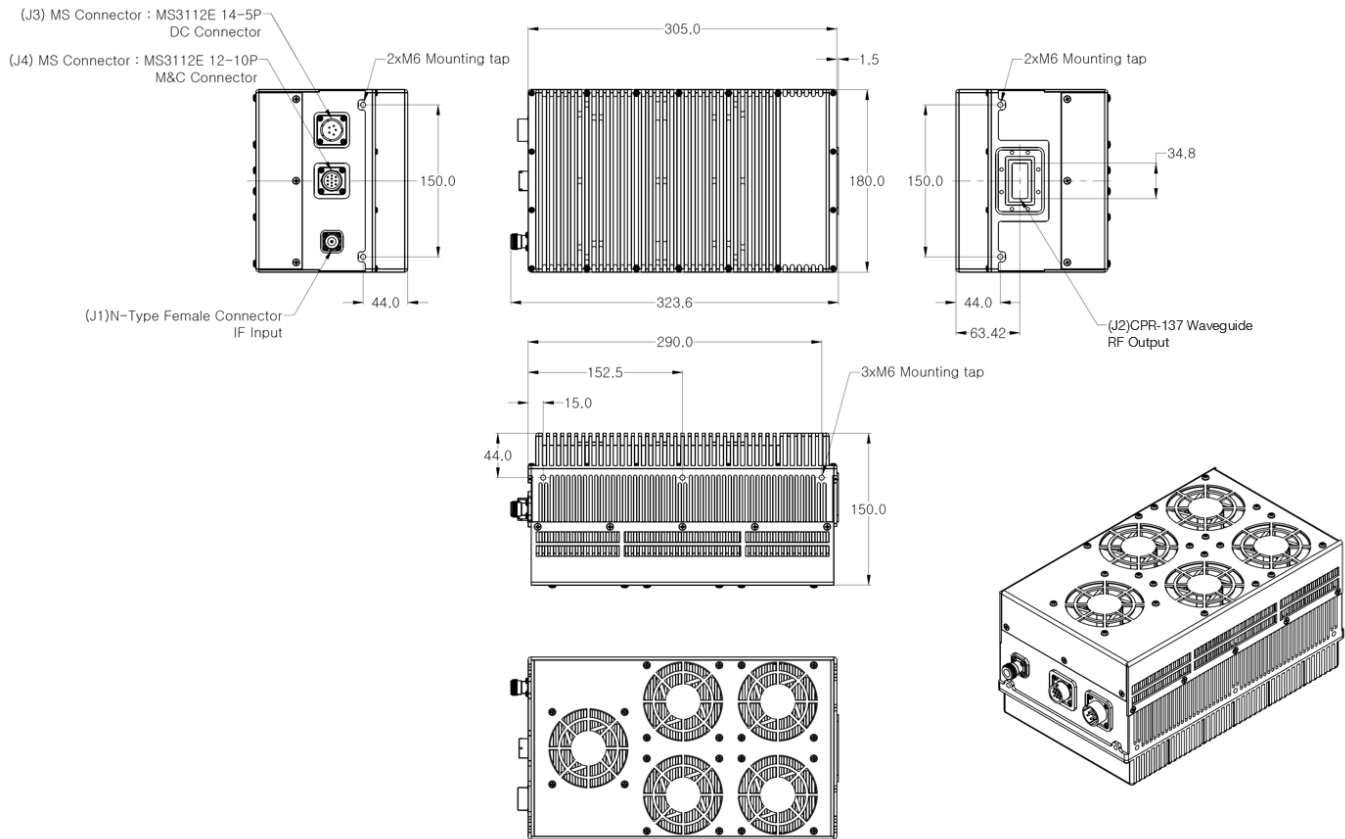


SATCOM TRANSMITTER

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	CPR-137G
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).