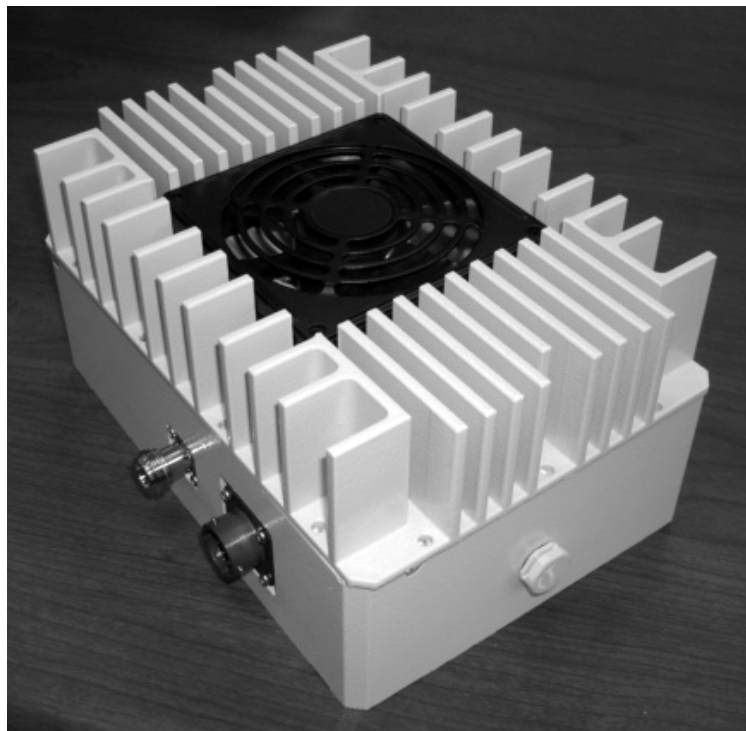
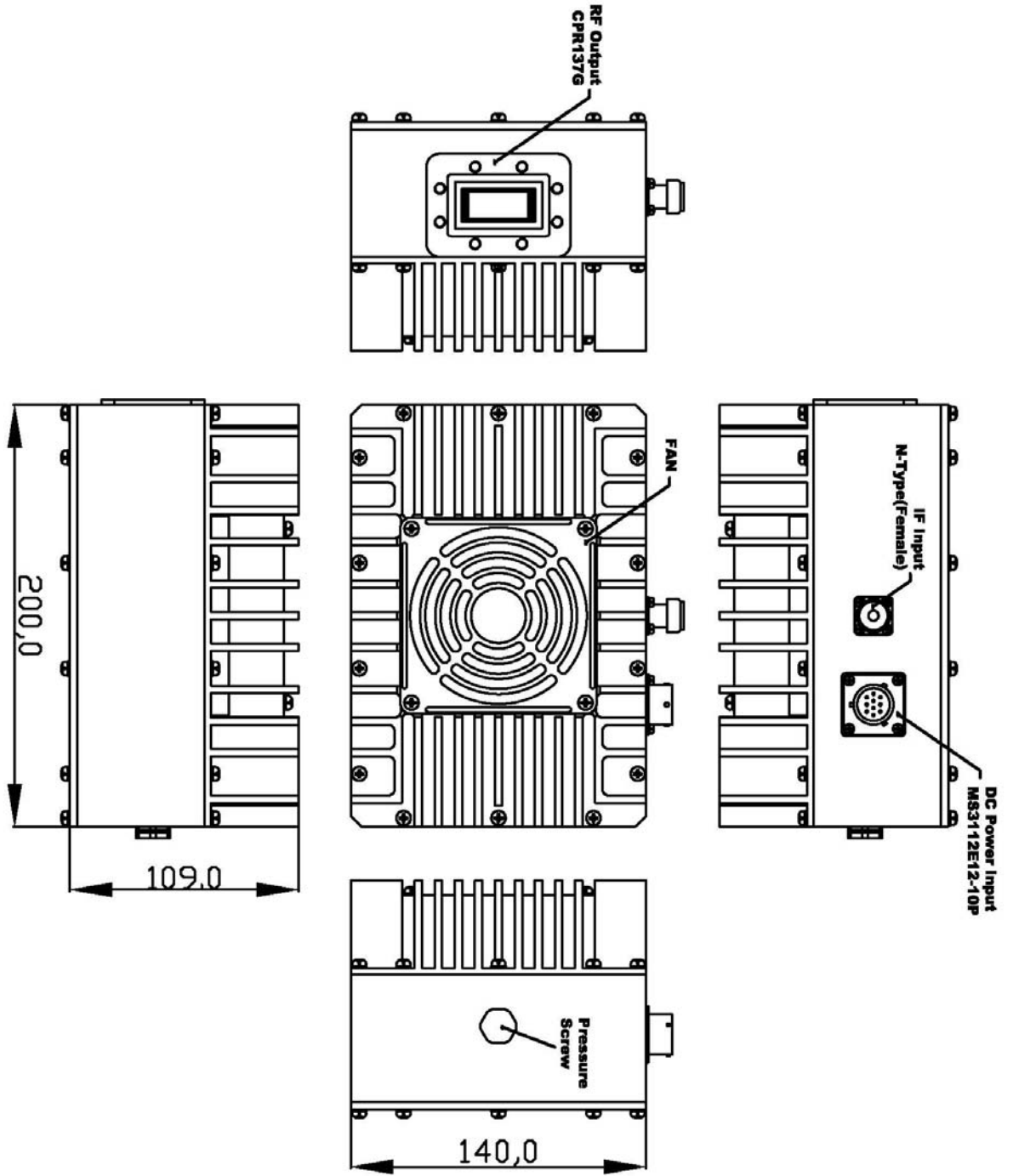


Ultra Compact High Power C-Band Transmitters (BUC)

20Watt P1dB *)



**) Version in 12 or 40 Watt or in Super Extended C Band frequency ranges with specific LO frequency are available on special request*

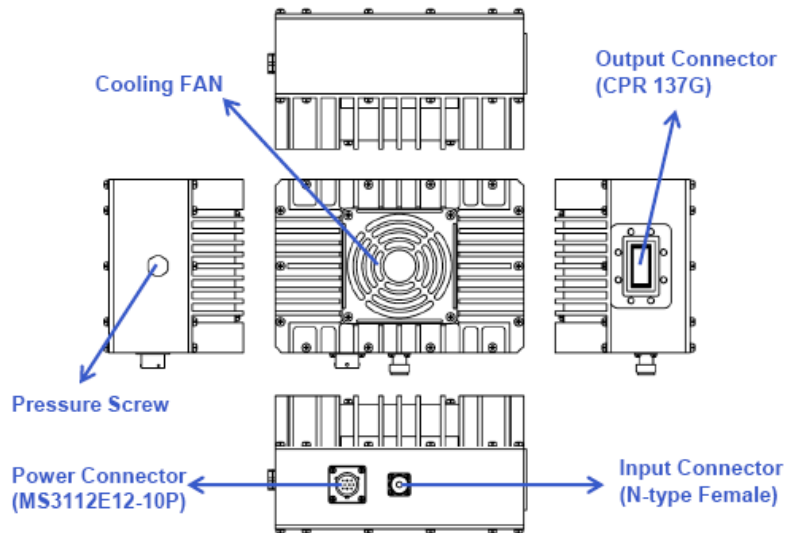


<u>Basic Specification</u>		
RF Frequency Range	5850 ~ 6425 MHz	
IF Frequency Range	950 ~ 1,525 MHz	
LO Frequency	4900 MHz	
P1dB min	43 dBm	
<u>Electrical Specification</u>		
Max Input Power (Without Damage)	+10 dBm	
Input/Output Return Loss	-15 dB	
Gain nom.	70 dB	
Gain Flatness	± 1.3 dB max. @ room temp over any 40 MHz ± 2.5 dB max. @ room temp over full band	
Gain Stability	± 1.5 dB over temp. range	
IMD3	-26 dBc @ +3dB back-off (SCL : 6 dB each, two equal signals 5MHz apart)	
Spurious	-50 dBc at P1dB	
Harmonics	-50 dBc max. at P1dB	
Phase Noise (SSB)	100Hz	-60 dBc/Hz
	1kHz	-70 dBc/Hz
	10kHz	-80 dBc/Hz
	100kHz	-90 dBc/Hz
Ref. Frequency Requirement	10Hz	-115 dBc/Hz
	100Hz	-135 dBc/Hz
	1kHz	-148 dBc/Hz
	10kHz	-150 dBc/Hz
	100kHz	-160 dBc/Hz
	Freq.	10 MHz
	Level	0 dBm ± 5dB
		Internal TCXO (Option)

<i>Item</i>	<i>Specification</i>	<i>Note</i>
Power Consumption	150 W	
Power Requirements	24 or 48 VDC	
<u>Mechanical Specification</u>		
Size (L x W x H mm)	210 x 141 x 110	
weight	Below 4 Kg	
Input Connector	Type N (female) – IF, 10MHz Ref	
Output Connector	CPR 137G	
Output Sample Port	Type N (female) - Option	
Cooling	Forced Air	
<u>Environmental Specification</u>		
Operating Temperature	-20°C to +55°C	
Storage Temperature	-55°C to +85°C	
Humidity	100% condensing	
Altitude	10,000 ' AMSL	
<u>Features</u>		
<ul style="list-style-type: none"> . Output Isolator Included. . Auto Mute in case of LO unlocked. . Rx Rejection Filter (Wave-Guide Filter) & Harmonic Filter Included. . Over-temperature shutdown & Auto Restart (Option) . RF output sample port (Option) . Other M&C Options available (Option) 		

Outline of C-band 20W BUC

- Input Connector : Coaxial RF connector, N-type Female
- Output Connector : C-band Standard Waveguide, CPR 137G
- Power Connector : 10pins waterproof connector, MS3112E12-10P



Outline of Power Connector		Pin Description	
+10.8(V)		Pin No.	Pin Description
Ground		H, A, B	Input Voltage = +10.8(V) typical
		G, K, J, C	Not Used
		F, E, D	Ground

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