

Connecting the Earth to Space

XMW facilitates communication in the Earth and Space
with innovative SATCOM and extreme Microwave technologies.



SATCOM PRODUCT SUMMARY TABLE

BUC

Product	Part No.	Input Frequency	LO Frequency	Output Frequency	Output P1dB	Phase Noise @1KHz	Gain	DC Power
C-band 2W BUC	T5002	950 - 1525 MHz	4.90GHz	5.850 - 6.425 GHz	33dBm min (P1)	-70dBc	57dB (typ)	35W
C-band 2W BUC	T5102	950 - 1750 MHz	4.90GHz	5.850 - 6.650 GHz	33dBm min (P1)	-70dBc	57dB (typ)	35W
C-band 2W BUC	T5202	950 - 1825 MHz	4.90GHz	5.850 - 6.725 GHz	33dBm min (P1)	-70dBc	57dB (typ)	35W
C-band 5W BUC	T5005	950 - 1525 MHz	4.90GHz	5.850 - 6.425 GHz	37dBm min (P1)	-70dBc	57dB (typ)	50W
C-band 5W BUC	T5105	950 - 1750 MHz	4.90GHz	5.850 - 6.650 GHz	37dBm min (P1)	-70dBc	57dB (typ)	50W
C-band 5W BUC	T5205	950 - 1825 MHz	4.90GHz	5.850 - 6.725 GHz	37dBm min (P1)	-70dBc	57dB (typ)	50W
C-band 10W BUC	T5010	950 - 1525 MHz	4.90GHz	5.850 - 6.425 GHz	40dBm min (P1)	-73dBc	62dB (typ)	80W
C-band 10W BUC	T5105	950 - 1750 MHz	4.90GHz	5.850 - 6.650 GHz	40dBm min (P1)	-73dBc	62dB (typ)	80W
C-band 10W BUC	T5205	950 - 1825 MHz	4.90GHz	5.850 - 6.725 GHz	40dBm min (P1)	-73dBc	62dB (typ)	80W
X-band 10W BUC	T8010	950 - 1450 MHz	6.95GHz	7.900 - 8.400 GHz	40dBm min (P1)	-73dBc	62dB (typ)	100W
X-band 10W BUC	T8010-A	950 - 1450 MHz	6.95GHz	7.900 - 8.400 GHz	40dBm min (P1)	-73dBc	50 - 65dB	100W
Ku-band 4W BUC	T1104	950 - 1950 MHz	9.75GHz	10.70 - 11.70 GHz	36dBm min (P1)	-70dBc	57dB (typ)	60W
Ku-band 4W BUC	T1204	950 - 1950 MHz	10.75GHz	11.70 - 12.50 GHz	36dBm min (P1)	-70dBc	57dB (typ)	60W
Ku-band 8W BUC	T1308	950 - 1700 MHz	12.80GHz	13.75 - 14.50 GHz	39dBm min (P1)	-73dBc	62dB (typ)	80W
Ku-band 8W BUC	T1408	950 - 1450 MHz	13.05GHz	14.00 - 14.50 GHz	39dBm min (P1)	-73dBc	62dB (typ)	80W
Ka Quad-band 1W BUC	TQ3001	950 - 1450 MHz	28.05GHz	29.0 - 29.5 GHz	30dBm min (P1)	-73dBc	20dB (typ)	40W
		950 - 1450 MHz	28.55GHz	29.5 - 30.0 GHz	30dBm min (P1)	-73dBc	20dB (typ)	40W
		950 - 1450 MHz	29.05GHz	30.0 - 30.5 GHz	30dBm min (P1)	-73dBc	20dB (typ)	40W
		950 - 1450 MHz	29.05GHz	30.5 - 31.0 GHz	30dBm min (P1)	-73dBc	20dB (typ)	40W
Ka-band 5W BUC	T2705	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	37dBm min (Psat)	-73dBc	58dB (typ)	88W
Ka-band 5W BUC	T2805	972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz	37dBm min (Psat)	-73dBc	58dB (typ)	88W
Ka-band 5W BUC	T2905	950 - 1450 MHz	28.55GHz	29.5 - 30.0 GHz	37dBm min (Psat)	-73dBc	58dB (typ)	88W
Ka-band 10W BUC	T2710	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	40dBm min (Psat)	-73dBc	50 - 65dB	170W
Ka-band 10W BUC	T2810	972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz	40dBm min (Psat)	-73dBc	50 - 65dB	170W
Ka-band 10W BUC	T2910	950 - 1450 MHz	28.55GHz	29.5 - 30.0 GHz	40dBm min (Psat)	-73dBc	50 - 65dB	170W
Ka Dual-band 10W BUC	TD2810	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	40dBm min (Psat)	-73dBc	50 - 65dB	170W
		972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz	40dBm min (Psat)	-73dBc	50 - 65dB	170W
		1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	43dBm min (Psat)	-73dBc	50 - 65dB	250W
Ka-band 20W BUC	T2720	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	43dBm min (Psat)	-73dBc	50 - 65dB	250W
Ka-band 20W BUC	T2820	972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz	43dBm min (Psat)	-73dBc	50 - 65dB	250W
Ka-band 20W BUC	T2920	950 - 1450 MHz	28.55GHz	29.5 - 30.0 GHz	43dBm min (Psat)	-73dBc	50 - 65dB	250W
Ka Dual-band 20W BUC	TD2820	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	43dBm min (Psat)	-73dBc	50 - 65dB	250W
		972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz	43dBm min (Psat)	-73dBc	50 - 65dB	250W
		1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	43dBm min (P1)	-73dBc	50 - 65dB	250W
Ka Tri-band 20W BUC	TT3020	950 - 1450 MHz	28.55GHz	29.5 - 30.0 GHz	43dBm min (P1)	-73dBc	50 - 65dB	250W
		950 - 1450 MHz	29.05GHz	30.0 - 30.5 GHz	43dBm min (P1)	-73dBc	50 - 65dB	250W
		950 - 1450 MHz	29.05GHz	30.5 - 31.0 GHz	43dBm min (P1)	-73dBc	50 - 65dB	250W

BPF

Product	Part No.	Frequency	Bandwidth	IL in BW	Attenuation		IL@10MHz	In / Out
L-band BPF	BPF-1000-30	985-1015 MHz	30MHz	4dB	15dB @CF±26MHz	30dB @CF±38MHz	1dB	N, F
L-band BPF	BPF-1095-40	1075-1115 MHz	40MHz	4dB	15dB @CF±40MHz	30dB @CF±60MHz	1dB	N, F
L-band BPF	BPF-1167-70	1132-1202 MHz	70MHz	4dB	15dB @CF±80MHz	30dB @CF±100MHz	1dB	N, F
L-band BPF	BPF-1220-300	1070-1370 MHz	300MHz	3dB	15dB @CF±250MHz	30dB @CF±300MHz	1dB	N, F
L-band BPF	BPF-1219-400	1019-1419 MHz	400MHz	3dB	15dB @CF±300MHz	30dB @CF±350MHz	1dB	N, F
L-band BPF	BPF-1250-500	950-1450 MHz	500MHz	3dB	15dB @CF±350MHz	30dB @CF±380MHz	1dB	N, F
L-band BPF	BPF-1750-500	1500-2000 MHz	500MHz	3dB	15dB @CF±350MHz	30dB @CF±380MHz	1dB	N, F
C-band BPF	BPF-C-1	3700-4200 MHz	500MHz	0.5dB	25dB @CF±300MHz	60dB @CF±400MHz	N/A	CPR229
C-band BPF	BPF-C-2	3625-4200 MHz	575MHz	0.5dB	25dB @CF±337.5MHz	60dB @CF±437.5MHz	N/A	CPR229
C-band BPF	BPF-3423-36	3405-3441 MHz	36MHz	0.6dB	25dB @CF±68MHz	60dB @CF±168MHz	N/A	CPR229
C-band BPF	BPF-4133-36	4115-4151 MHz	36MHz	0.6dB	25dB @CF±68MHz	60dB @CF±168MHz	N/A	CPR229
C-band BPF	BPF-3475-72	3709-3781 MHz	72MHz	0.6dB	25dB @CF±86MHz	60dB @CF±186MHz	N/A	CPR229
C-band BPF	BPF-3950-300	3800-4100 MHz	300MHz	0.6dB	25dB @CF±230MHz	60dB @CF±315MHz	N/A	CPR229
X-band BPF	BPF-7500-500	7250-7750 MHz	500MHz	0.5dB	100dB @7.9GHz - 8.4GHz		N/A	WR112
X-band BPF	BPF-7650-500	7400-7900 MHz	500MHz	0.5dB	100dB @8.05GHz - 8.60GHz		N/A	WR112

DUPLEXER

Product	Part No.	Rx Frequency	Tx Frequency	VSWR	Isolation (Rx-Tx)	Insertion Loss	Rx WG	Tx WG
Ka-band Duplexer	DP9000K	19.80-20.20 GHz	29.60-30.20 GHz	1.5 : 1	80dB	0.5dB	WR42	WR28

FEED

Product	Part No.	Frequency	Input VSWR	Gain	Gain Flatness	3dB Bandwidth	Input WG	Output WG
Ka-band Feed	FD9000L	18.20-20.20 GHz	2.0 : 1	15dBi	±1.5dBi	±1.5°	Circular	WR42
Ka-band Feed	FD9000H	20.20-22.20GHz	2.0 : 1	15dBi	±1.5dBi	±1.5°	Circular	WR42

OMT&TRF

Product	Part No.	TX Port Frequency	RX Port Frequency	TX-RX Cross Pol	Tx-Rx Isolation	Feedhorn WG	TX WG	RX WG
Ku-band OMT	OMT KuE	13.70-14.50GHz	10.70-12.75GHz	35dB	N/A	WR75	WR75	WR75
Ku-band OMT&TRF	OMT&TRF KuE	13.75-14.50GHz	10.70-12.75GHz	35dB	75dB	WR75	WR75	WR75

POWER SUPPLY

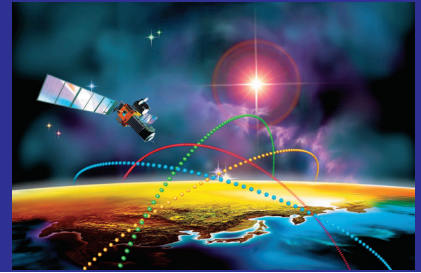
Product	Part No.	Input Voltage	Input Frequency	Output Voltage	Rated Current	Rated Power	Cooling	Used for
AC-DC Power Supply	PS200-48-ACDC	95-265 VAC	47-63 Hz	48V	4.2A	200W	Air(No fan)	10W BUC
AC-DC Power Supply	PS350-48-ACDC	95-265 VAC	47-63 Hz	48V	8.3A	350W	Air(No fan)	20W BUC
DC-DC Power Supply	PS200-48-DCDC	36-72 VDC	47-63 Hz	48V	4.2A	200W	Air(No fan)	10W BUC

System

Product	Part No.	Antenna	Feedhorn	LNB	Set-Top Box	Rx Frequency	Tx Frequency
Ka-band TVRO	COMS75S1	075RO-Ka	FD9000K	R9000K	RSB9100	19.8 -20.2GHz	N/A
	COMS120S1	120RO-Ka	FD9000K	R9000K	RSB9100	19.8 -20.2GHz	N/A
Product	Part No.	Antenna	Feedhorn	LNB	BUC	Rx Frequency	Tx Frequency
Ka-band VSAT System	COMS120V1	120TR-Ka	DP9000	R9000H	5W, 10W, 20W	19.8 -20.2GHz	29.6 -30.0GHz

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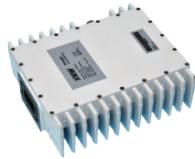
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PRODUCT ALBUM



C-band 2W BUC
T5002



C-band 5W BUC
T5005



C-band 10W BUC
T5010



X-band 10W BUC
T8010



Ku-band 4W BUC
T1104



Ka Quad-band 1W BUC
TQ3001



Ka-band 5W BUC
T2705



Ka-band 10W BUC
T2710



Ka Dual-band 10W BUC
TD2810



Ka-band 20W BUC
T2720



Ka Dual-band 20W BUC
TD2820



Ka Tri-band 20W BUC
TT3020



L-band BPF



C-band BPF



X-band BPF



Ka-band Duplexer
DP9000



Ka-band Feed
FD9000



Power Supply
PS200-48-ACDC



Power Supply
PS350-48-ACDC



Power Supply
PS200-48-DCDC



Ku-band OTM&TRF
OTM&TRF KuE



Ka-band TVRO System
COMS75S1 / COMS120S1



Ka-band VSAT System
COMS120V1

