

Connecting the Earth to Space

XMW facilitates communication in the Earth and Space
with innovative SATCOM, RADAR, and wireless technologies.



Ka-band BUC



Ka-band 1W BUC
Single / Quad



Ka-band 5W BUC
Single / Dual



Ka-band 10W BUC
Single / Dual



Ka-band 20W BUC
Single / Dual



Ka-band 40W BUC
Single / Dual

Ku-band BUC



Ku-band 4W BUC



Ku-band 8W BUC



Ku-band 16W BUC



Ku-band 20W
/ 25W BUC



Ku-band 40W
/ 50W BUC

X-band BUC



X-band 10W BUC



X-band 20W BUC



C-band 5W BUC



C-band 10W BUC

C-band BUC

Redundancy System



Ka-band 20W Redundancy System



Ka-band 40W Redundancy System

BUC Product Selection Guide*

Product	Part No.	Input Frequency	LO Frequency	Output Frequency	Output Power	Phase Noise @ 1KHz	Gain	DC Power				
Ka-band 1W BUC	T28E01	1000 - 2000 MHz	27.00GHz	28.00 - 29.00 GHz	30dBm min (P1)	-73dBc	20dB typ	40W				
	T2901	950 - 1450 MHz	28.55GHz	29.50 - 30.00 GHz								
	T29E01	1000 - 2000 MHz	28.00GHz	29.00 - 30.00 GHz								
Ka Quad-band 1W BUC	TQ3001	950 - 1450 MHz	28.05GHz	29.00 - 29.50 GHz	30dBm min (P1)	-73dBc	20dB typ	40W				
		950 - 1450 MHz	28.55GHz	29.50 - 30.00 GHz								
		950 - 1450 MHz	29.05GHz	30.00 - 30.50 GHz								
		950 - 1450 MHz	29.55GHz	30.50 - 31.00 GHz								
Ka-band 5W BUC	T2705	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	37dBm min (Psat)	-73dBc	65dB max Δ15dB 1dB step	88W				
	T2805	972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz								
	T2905	950 - 1450 MHz	28.55GHz	29.50 - 30.00 GHz								
	T29E05	1000 - 2000 MHz	28.00GHz	29.00 - 30.00 GHz								
	T3005	1000 - 2000 MHz	29.00GHz	30.00 - 31.00 GHz								
	Option- A, B, C, D, E, W **											
Ka Dual-band 5W BUC	TD2805	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	37dBm min (Psat)	-73dBc	65dB max Δ15dB 1dB step	88W				
		972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz								
	TD3005	1000 - 2000 MHz	28.00GHz	29.00 - 30.00 GHz								
		1000 - 2000 MHz	29.00GHz	30.00 - 31.00 GHz								
Option- A, B, C, D, E, W **												
Ka-band 10W BUC	T2710	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	40dBm min (Psat)	-73dBc	65dB max Δ15dB 1dB step	170W				
	T2810	972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz								
	T2910	950 - 1450 MHz	28.55GHz	29.50 - 30.00 GHz								
	T29E10	1000 - 2000 MHz	28.00GHz	29.00 - 30.00 GHz								
	T3010	1000 - 2000 MHz	29.00GHz	30.00 - 31.00 GHz								
	Option- A, B, C, D, E, W **											
Ka Dual-band 10W BUC	TD2810	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	40dBm min (Psat)	-73dBc	65dB max Δ15dB 1dB step	170W				
		972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz								
	TD3010	1000 - 2000 MHz	28.00GHz	29.00 - 30.00 GHz								
		1000 - 2000 MHz	29.00GHz	30.00 - 31.00 GHz								
Option- A, B, C, D, E, W **												
Ka-band 20W BUC	T2720	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	43dBm min (Psat)	-73dBc	70dB max Δ15dB 1dB step	250W				
	T2820	972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz								
	T2920	950 - 1450 MHz	28.55GHz	29.50 - 30.00 GHz	43dBm typ (Psat)							
	T29E20	1000 - 2000 MHz	28.00GHz	29.00 - 30.00 GHz								
	T3020	1000 - 2000 MHz	29.00GHz	30.00 - 31.00 GHz								
	Option- E, W, S **											
Ka Dual-band 20W BUC	TD2820	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	43dBm min (Psat)	-73dBc	70dB max Δ15dB 1dB step	250W				
		972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz								
	TD3020	1000 - 2000 MHz	28.00GHz	29.00 - 30.00 GHz	43dBm typ (Psat)							
		1000 - 2000 MHz	29.00GHz	30.00 - 31.00 GHz								
	Option- E, W, S **											
	Ka-band 40W BUC	T2740	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz				46dBm typ (Psat)	-73dBc	70dB max Δ15dB 1dB step	480W
T2840		972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz								
T2940		950 - 1450 MHz	28.55GHz	29.50 - 30.00 GHz								
T29E40		1000 - 2000 MHz	28.00GHz	29.00 - 30.00 GHz								
T3040		1000 - 2000 MHz	29.00GHz	30.00 - 31.00 GHz								
Option- E, W, S **												
Ka Dual-band 40W BUC	TD2840	1052 - 1788 MHz	26.60GHz	27.652 - 28.388 GHz	46dBm typ (Psat)	-73dBc	70dB max Δ15dB 1dB step	480W				
		972 - 1871 MHz	27.20GHz	28.172 - 29.071 GHz								
	TD3040	1000 - 2000 MHz	28.00GHz	29.00 - 30.00 GHz								
		1000 - 2000 MHz	29.00GHz	30.00 - 31.00 GHz								
Option- E, W, S **												
Ku-band 4W	T1304	950 - 1700 MHz	12.80GHz	13.75 - 14.50 GHz	36dBm min (P1)	-73dBc	62dB typ Δ15dB 1dB step	60W				
	T1404	950 - 1450 MHz	13.05GHz	14.00 - 14.50 GHz								
Option- A, B, C, D, E, W **												
Ku-band 8W	T1308	950 - 1700 MHz	12.80GHz	13.75 - 14.50 GHz	39dBm min (P1)	-73dBc	62dB typ Δ15dB 1dB step	85W				
	T1408	950 - 1450 MHz	13.05GHz	14.00 - 14.50 GHz								
Option- A, B, C, D, E, W **												
Ku-band 16W	T1216	950 - 1450 MHz	11.80GHz	12.75 - 13.25 GHz	42dBm min (P1)	-73dBc	65dB typ Δ15dB 1dB step	150W				
	T1316	950 - 1700 MHz	12.80GHz	13.75 - 14.50 GHz								
	T1416	950 - 1450 MHz	13.05GHz	14.00 - 14.50 GHz								
Option- A, B, C, D, E, W **												
Ku-band 20W	T1220	950 - 1450 MHz	11.80GHz	12.75 - 13.25 GHz	43dBm min (P1)	-73dBc	68dB max Δ15dB 1dB step	160W				
	T1320	950 - 1700 MHz	12.80GHz	13.75 - 14.50 GHz								
	T1420	950 - 1450 MHz	13.05GHz	14.00 - 14.50 GHz								
Option- E, W, S **												
Ku-band 25W	T1325	950 - 1700 MHz	12.80GHz	13.75 - 14.50 GHz	44dBm typ (P1)	-73dBc	70dB max Δ15dB 1dB step	200W				
	T1425	950 - 1450 MHz	13.05GHz	14.00 - 14.50 GHz								
Option- E, W, S **												
Ku-band 40W	T1340	950 - 1700 MHz	12.80GHz	13.75 - 14.50 GHz	46dBm typ (P1)	-73dBc	73dB max Δ15dB 1dB step	380W				
	T1440	950 - 1450 MHz	13.05GHz	14.00 - 14.50 GHz								
Option- E, W, S **												
Ku-band 50W	T1350	950 - 1700 MHz	12.80GHz	13.75 - 14.50 GHz	47dBm typ (P1)	-73dBc	73dB max Δ15dB 1dB step	380W				
	T1450	950 - 1450 MHz	13.05GHz	14.00 - 14.50 GHz								
Option- E, W, S **												
X-band 10W BUC	T8010	950 - 1450 MHz	6.95GHz	7.90 - 8.40 GHz	40dBm min (P1)	-73dBc	62dB typ Δ15dB 1dB step	85W				
Option- A, B, C, D, E, W **												
X-band 20W BUC	T8020	950 - 1450 MHz	6.95GHz	7.90 - 8.40 GHz	43dBm min (P1)	-73dBc	62dB typ Δ15dB 1dB step	150W				
Option- E, W, S **												
C-band 10W BUC	T5010	950 - 1525 MHz	4.90GHz	5.85 - 6.425 GHz	40dBm min (P1)	-73dBc	62dB typ Δ15dB 1dB step	80W				
	T5110	950 - 1750 MHz	4.90GHz	5.85 - 6.65 GHz								
	T5210	950 - 1825 MHz	4.90GHz	5.85 - 6.725 GHz								
	T5310	950 - 1750 MHz	4.775GHz	5.725 - 6.525 GHz								
Option- A, B, C, D, E, W **												

* Specifications are subject to change without notice.

** Option-A : DC via IFL, fixed gain, no M&C

Option-B : DC via IFL, fixed gain, M&C

Option-C : DC via IFL, gain adjustable (Δ15dB, 1dB step), M&C

Option-D : DC via MS connector, M&C

Option-E : DC via MS connector, gain adjustable (Δ15dB, 1dB step), M&C

Option-W : DC via MS connector, gain adjustable (Δ15dB, 1dB step), M&C (Web browser)

Option-S : DC via MS connector, gain adjustable (Δ15dB, 1dB step), M&C (SNMP available)



161 Whitney Place, Fremont, CA 94539 USA

Jangyoungsil Bldg. #201, 105 Sinildong-ro, Daedeok-gu, Daejeon 34324 Korea

Tel. +82-42-345-0001 Fax. +82-42-345-2220 E-mail. support_sales@xmwin.com