- *Highly integrated RF technologies (RFIC and GaN)*
- *Designed for high volume production*
- *Linearity optimized for high order modulation and high data rate*
- *Strict quality control processes resulting in <0.25% field failure rates*

CE

Block Up-Converter X-Band 40W (BUC)

Model: GBX40S3

Section	Item	Specification
RF Specifications	OUTPUT Frequency Range	7900 - 8400 MHz
	INPUT Frequency Range	950 - 1450 MHz
	LO Frequency	6950 MHz
	RF Output Power @ P1dB	46 dBm
	Small Signal Gain	65 dB
	Gain flatness	± 2.0 dB
	Spurious	< -50 dB
	Input level range without damage	-50 - 0dBm
	IF Input Interface	75 ohm – N/F type
	RF Output Flange	CPR137 (10-32)
	Phase Noise	< -60 dBc/Hz at 100 Hz < -75 dBc/Hz at 1 kHz < -85 dBc/Hz at 10 kHz < -95 dBc/Hz > at 100 kHz
	External Reference	10 MHz sine wave
	Ref Input Level	-5 to +5 dBm @ 50 ohm
	Shut off BUC in case of LO unlocked	internal
	AC Power supply	AC 220V nom (180-240V) 50Hz
	Power consumption	200W
	Operating Temperature	-40 °C to 50 °C
	Relative Humidity	up to 100% (water proof design)
Interface	Dimensions	257 x 140 x 95 mm
	Weight	4.5kg