



25W Extended Ku-Band Block Up Converter

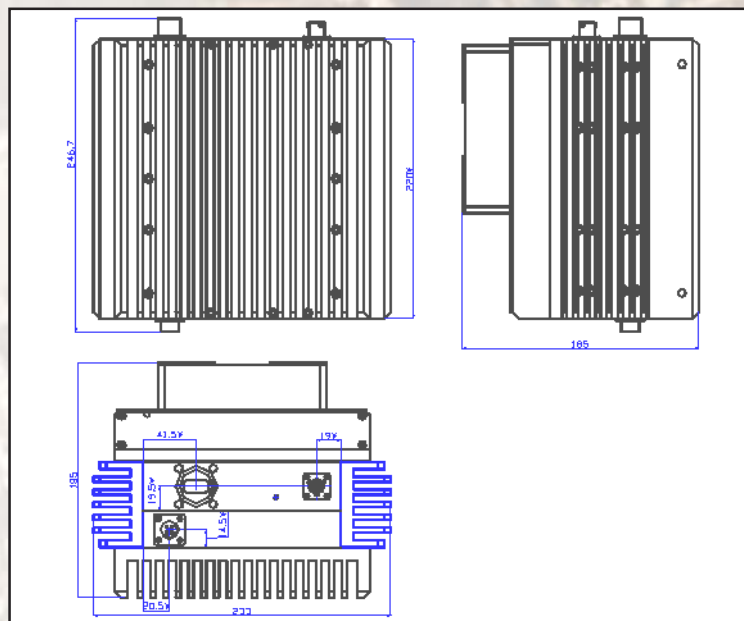
KEY FEATURES

- ◆ 13.75-14.50 GHz Output
- ◆ High Power Efficiency (25W min @P1dB over temperature)
- ◆ 220 VAC via MS connector Power Option
- ◆ RoHS Compliant
- ◆ Three-year Warranty

ABD25KUX / ABD25KUXF



Mechanical Drawing





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TECHNICAL SPECIFICATIONS		
RF Frequency	ABD25KUX	13.75 to 14.50 GHz
Local Oscillator	ABD25KUX	12.80 GHz
IF Frequency		950 to 1,700 MHz
Output Power @ P1dB min over temp.		25W Linear (+44 dBm min.)
IF Connector		N-Type or F-Type
Power Supply	ABD25KUX	220 VAC via MS Conn. 174 W max
Output Interface		WR-75 Grooved
Linear Gain		68 dB Min., 70 dB nominal
Gain Variation	Over 54 MHz	1.5 dB p_p
	Over 500 MHz	4.0 dB p_p
Over Operating Temperature		3.0 dB p_p @ Fixed Frequency
Requirement for External Reference		via IF cable
	Frequency	10 MHz (sine-wave)
	Input Power	-5 to +5 dBm @ Input port
Phase Noise		-30 dBc/Hz max. @ 10 Hz -60 dBc/Hz max. @ 100 Hz -70 dBc/Hz max. @ 1 kHz -80 dBc/Hz max. @ 10 kHz -90 dBc/Hz max. @ 100 kHz -100 dBc/Hz max @ 1 MHz
Noise Figure		20 dB max
Input V.S.W.R.		2 : 1 max
Output V.S.W.R.		2 : 1 max.
Mute		Shut off the BUC in case of L.O. unlocked
Input Interface	ABD25KUX ABD25KUXF	50 Ohm (N-type IF In) 75 Ohm (F-type IF In)
Temperature Range (ambient)		
	Operating	-40 deg C to +55 deg C
	Storage	-50 deg C to +75 deg C
Dimensions & Housing		238 (L) x 229 (W) x 239 (H) mm
Weight		13.8 kg (30.4 lbs) max