



Universal Series
Universal Quad LNBF
Model No. AK54-XT2

RF Input	Frequency Range	Low Band: 10.7 ~ 11.70 GHz High Band: 11.7 ~ 12.75 GHz
IF Output	Frequency Range	Low Band: 950 ~ 1950 MHz High Band: 1100 ~ 2150 MHz
	Connector Type	75Ω Female Connector
	VSWR	2.0:1 (Typ.) @ Room Temp.
Local Oscillator	Frequency	Low Band: 9.75 GHz High Band: 10.6 GHz
	Frequency Stability	± 1MHz (Max.) @ Room Temp.
	Frequency Phase Noise	-55dBc/Hz@ 1KHz (Max.) -75dBc/Hz@ 10KHz (Max.) -95dBc/Hz@ 100KHz (Max.) -105dBc/Hz@ 1MHz (Max.) -115dBc/Hz@ 10MHz (Max.)
Conversion Performance @ Room Temperature	Conversion GAIN	55dB (Typ.), 62dB (Max.)
	Gain Variation (P-P)	5dB (Typ.)
	Gain Flatness	± 0.5dB (Typ.)/26MHz
	Noise Figure	Low Band: 0.3 dB (Typ.) High Band: 0.3 dB (Typ.)
	Image Rejection	45dB (Min.)
	Cross Polarization	25dB (Typ.)
Power Requirements	DC Current Consumption	220mA (Typ.)
	Operating Voltage	Vertical: 11.5 ~ 14Vdc Horizontal: 16 ~ 19Vdc
	Band Switching	Low Band: 0 Hz High Band: 22 KHz ± 4KHz
Environment	Operating Temperature	-40°C ~ +60°C
	Storage Temperature	-55°C ~ +80°C