

Gray Line Universal Mono-block LNBF

Model No. AK51-M12



RF Input	Frequency Range	Low Band: 10.7 ~ 11.70 GHz High Band: 11.7 ~ 12.75 GHz
	IF Output	Frequency Range
	Connector Type	75Ω Female Connector
	F/D Ratio	0.6
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.) -80dBc/Hz@ 10KHz (Max.) -100dBc/Hz@ 100KHz (Max.) -105dBc/Hz@ 1MHz (Max.) -110dBc/Hz@ 10MHz (Max.)
Conversion Performance @ Room Temperature	Conversion GAIN	62dB (Max.) 55dB (Typ.)
	Gain Variation (P-P)	4dB (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	28dB (Typ.)
Power Requirements	DC Current Consumption	120mA (Typ.)
	Operating Voltage	Vertical: 11.5 ~ 14 Vdc Horizontal: 16 ~ 19 Vdc
	Band Switching	Low Band: 0 Hz High Band: 22 KHz ± 4KHz
Environment	Operating Temperature	-40 ~ +60
	Storage Temperature	-55 ~ +80