



Modell	
MTI AP 8 STW	Universal Single Flansch LNB, C120



RF Input	
Input Frequency Range	Low Band: 10.7 ~ 11.70 GHz High Band: 11.7 ~ 12.75 GHz
IF Input	
Output Frequency Range	Low Band: 950 ~ 1950 MHz High Band: 1100 ~ 2150MHz
Output Connector Type	75 Ohm Female Connector
Output VSWR	2.0:1 (Typ.) @ Room Temperature
Local Oscillator	
LO. Frequency	Low Band: 9.75 GHz High Band: 10.6GHz
LO. Frequency Stability	±1MHz (Max.) @ Room Temperature
LO. 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.)
Gain Variation (P-P)	4dB (Typ.)
Gain Flatness (across any 26 MHz segment)	± 0.5dB (Typ.)
Noise Figure	Low Band: 0.4dB (Typ.) High Band: 0.4dB (Typ.)
Image Rejection	45dB (Min.)
Cross Polarization	25dB (Typ.)
Power Requirements	
DC Current Consumption	110mA (Typ.)
Operating Voltage	Horizontal: 16 ~ 19 Vdc Vertical: 11,5 ~ 14 Vdc
Band Switching	Low Band: 0 Hz High Band: 22 KHz ± 4KHz
Environmental	
Operating Temperature Range	-40°~ +60°
Storage Temperature Range	-55°~ +80°