



# MU-DEL ELECTRONICS, INC.

## Mu-Del Tape to IF Converters MUC-X-7 Series Typical Specifications

• Output Frequency	70 MHz
• Gain	15 dB typical
• Noise Figure	7 dB maximum
• Conversion Type	Fixed tuned
• Reference	10 MHz internal
• Input Frequency	4, 8 or 12.5 MHz
• Data Bandwidths	$\pm 3$ MHz, $\pm 6$ MHz or $\pm 10$ MHz
• VSWR (Input / Output)	1.5:1 maximum
• Impedance (input, output)	50 ohms, 75 ohms optional
• Image Rejection	35 dB minimum
• Spurious Response	-35 dBc minimum
• Inputs	1 or user defined
• Outputs	1 or user defined
• Test Points	User defined
• Connector Type	N-f, BNC-f or user defined
• Power Requirements	90-260 VAC, 47-440 Hz
• Dimensions	1.75" H x 19" W x 11" D
• Operating Temperature	0 to +50° C
• Storage Temperature	-20 to +65° C
• Humidity	10 to 90% non-condensing

### Following are some of the more popular options:

Extended Frequency Range	Variable Gain Controls	Rack Slides
Improved Noise Figure	Extended Temperature Range	Higher / Lower Gain
Higher Output Power	Up / Down In Single Package	PCI Form Factor
	Multi-Channel In Single Package	

**Please consult factory for options to modify any or all of the above specifications.**

