



# MU-DEL ELECTRONICS

## **Mu-Del S-Band Down Converters MDC-2023F-7 Series**

- Frequency Range 2000 to 2300 MHz
- Tunability 100 KHz, 10 KHz, 1 KHz or 1 Hz Steps
- Gain 20 dB typical
- Noise Figure 10 dB maximum
- IF Output Frequency 10, 70, 140, 370 or 720 MHz
- IF Data Bandwidths 3, 10, 20, 50, 100, 200 or 400 MHz
- Reference Oscillator 10 MHz internal and/or external
- Input / Output VSWR 1.5:1 maximum
- Impedance (input, output) 50 ohms
- Image Rejection 30 dB minimum
- Spurious Response -40 dBc minimum
- Control Interface Remote RS-232, RS-422, RS-485 or Ethernet
- Control Interface Local Front Panel Keypad
- Control Status Local Vacuum Florescent Display, Front panel
- Inputs 1 or user defined
- Outputs 1 or user defined
- Test Points User defined
- Connector Type N-f or user defined
- Power Requirements 90-260 VAC, 47-440 Hz
- Dimensions 3.5" H x 19" W x 17" 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  
Improved Noise Figure

Variable Gain Controls  
Extended Temperature Range

Rack Slides  
Higher / Lower Gain

**Please consult factory for Ordering Information and to discuss options to modify any of the above specifications.**

