

DIFM RECEIVERS

- **BROADBAND**
- **2 – 18 GHz**
- **HIGH ACCURACY AND RESOLUTION**
- **MULTIPLE SIGNAL PROCESSING CAPABILITY**
- **INTERNAL OR EXTERNAL TRIGGER**
- **HIGH SENSITIVITY**
- **DESIGNED TO SPECIFICATION**



Digital Frequency Discriminator 2-18 GHz

KEY SPECIFICATIONS:

- Frequency Range : 2 – 18 GHz
- Frequency Resolution : 14 bits (15 bits optional)
- Frequency Accuracy : 5 MHz RMS (3.5 MHz optional)
- Input RF Power : -65 dBm to +10 dBm
- Throughput Time : 200 ns max
- Shadow Processing Time : 50 ns max
- Signal Processing : 100 ns, min (CW, Pulse, CW+Pulse)
- Interface : RF (SMA female), Control (TTL)
- Operating Temperature : -40°C ~ +85°C
- Size : 6.9" x 5.4" x 1.2"

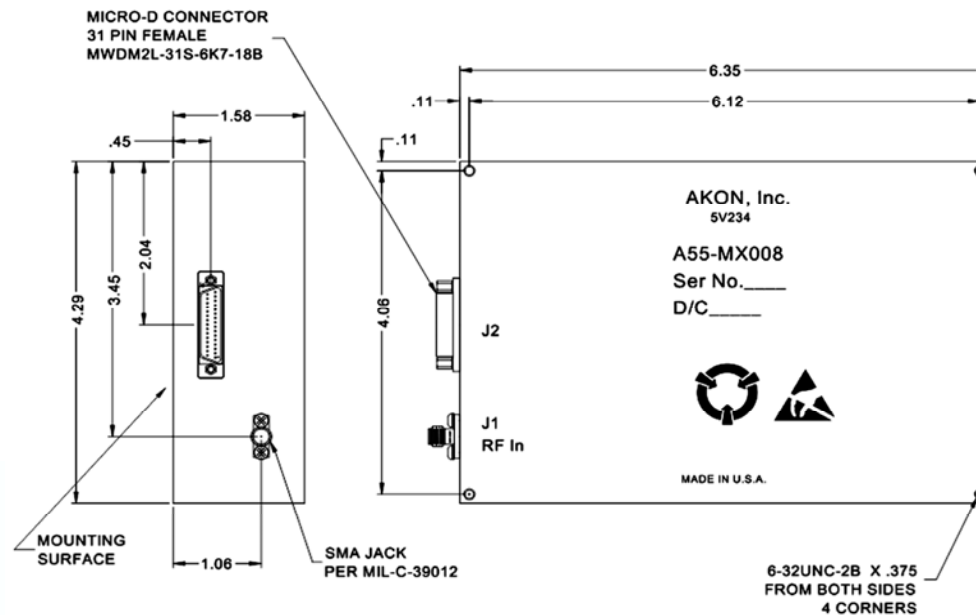


Digital Frequency Discriminator 4.3 – 5.3 GHz

KEY SPECIFICATIONS:

- Frequency Range: 4.3 – 5.3 GHz
- Frequency Resolution: 14 bits (0.125 MHz)
- Frequency Accuracy: 0.25 MHz RMS
- Trigger: Internal & External
- Sensitivity: -55 dBm
- Dynamic Range: 50 dB
- Processing Time: 300 ns
- Pulse Width Range: 100 ns to CW
- Binary Zero: 3776 MHz
- Frequency Value: 3776 + output data
- 0.125 MHz Triggering: Internal and External
- External Trigger: TTL pulse 100 ns
- Flags:
 - 1) CW Flag TTL
 - 2) Signal Present 100 ns pulse output 100 ns delay.

OUTLINE DRAWING:



Digital Frequency Discriminator

2 - 6 GHz

KEY SPECIFICATIONS:

- Frequency Range : 2 – 6 GHz
- Frequency Resolution : 12bit (1.25MHz/bit)
- Frequency Accuracy : 3MHz RMS @3dB Input
- Input RF Power : +8 dBm to 12 dBm
- Processing Time : 250 ns, min
- Recovery Time : 100 ns, min
- Signal Processing : 100 ns, min (CW, Pulse, CW+Pulse)
- Interface : RF (SMA female), Control (TTL)
- Operating Temperature : -40°C ~ +85°C
- Size : 160 x 100 x 30 (mm)

OUTLINE DRAWING:

