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:**

[Outline Drawing Image]