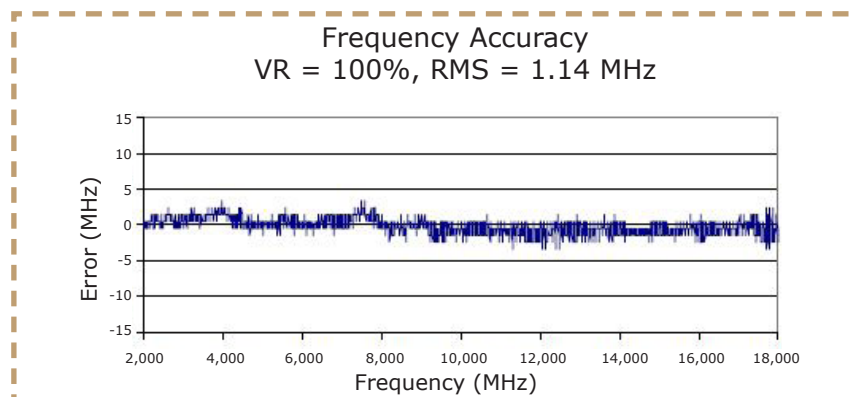
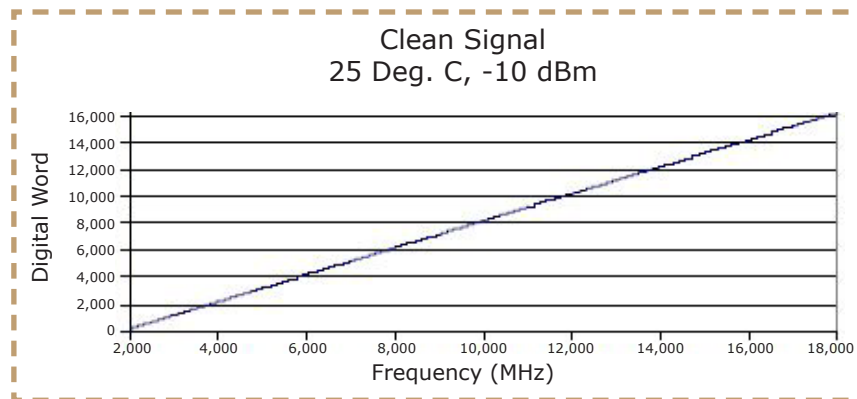


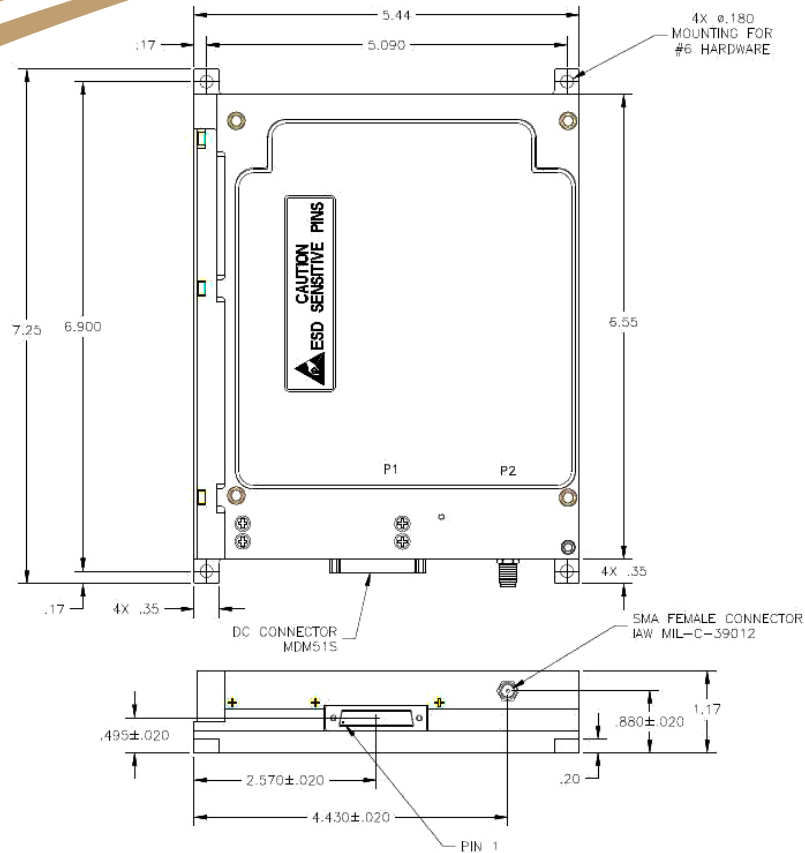
FEATURES

- High Accuracy
- High Resolution
- Low Power
- Short RF Pulse Capture
- 250 nS Throughput Time
- High Data Rate
- Small Package Size
- Light Weight
- Erroneous Data Detection (Optional)

APPLICATIONS

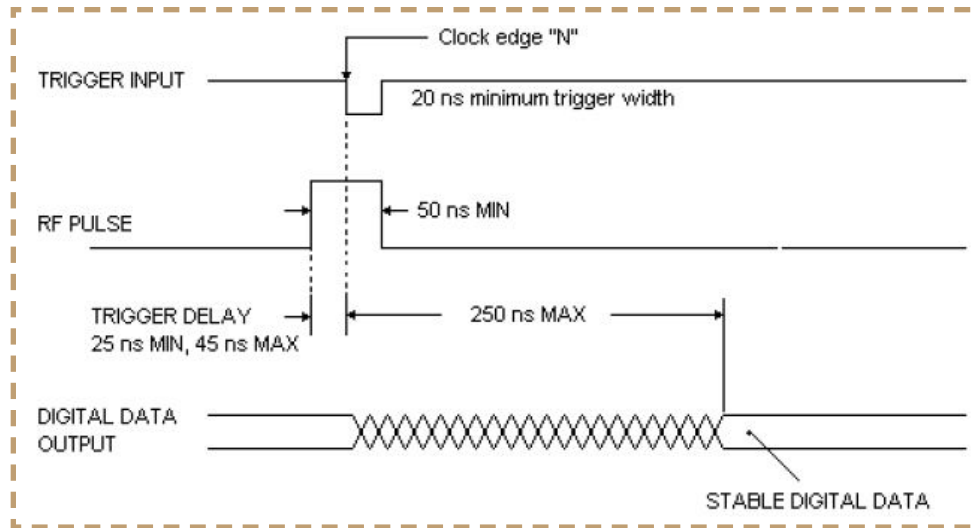
- Electronic Counter Measurers
- Signal Intelligence
- Radar Warning Receivers
- Capture of Single RF Pulse Events
- Identification of Frequency Agile Radar





Specifications Highlights:	
Frequency Range (GHz)	2 to 18 GHz
Number of Bits	14
RMS Frequency Accuracy	2 MHz at 6 dB SN 3 MHz at 0 dB SN (99% Valid Rate)
Frequency Resolution	1 MHz
Dynamic Range	-10 to +10 dBm
VSWR, max	2:1
Pulse Width	50 ns to CW
Data Format	TTL
Trigger Format	TTL, 250 nS Throughput Time
Erroneous Data Detection (optional)	85% Probability of Detection of Frequency Error
Power	+5V to +5.2V @ 800 mA +12V to +15V @ 800 mA -8V to -15V @ 100 mA (internally regulated)
Size	6.5" L x 5.5" W x 1.2" H
Weight	2.75 pounds maximum
RF Connector	SMA Female
Data Connector	51 socket - MDM51S (with jackposts)
Temperature Range	-40°C to +85°C

Timing Diagram
(Traditional DFD/IFM Timing Diagram)



Pinout

Signal Description	Pin Number	Signal Description	Pin Number	Signal Description	Pin Number
Data bit 13	1	-12 Volts DC	19	Reserved	36
Data bit 12	2	-12 Volts DC	20	Test Point 14	37
Data bit 11	3	Data bit 14	21	Test Point 13	38
Data bit 10	4	Data bit 15	22	Test Point 12	39
Data bit 09	5	GND	23	Test Point 11	40
Data bit 08	6	GND	24	Test Point 10	41
Data bit 07	7	BDF (Optional)	25	Test Point 9	42
Data bit 06	8	Data bit 01	26	Test Point 8	43
Data bit 05	9	Data bit 00	27	Test Point 7	44
Data bit 04	10	GND	28	Test Point 6	45
Data bit 03	11	GND	29	Test Point 5	46
Data bit 02	12	+5 Volts DC	30	Test Point 4	47
+5 Volts DC	13	Reserved	31	Test Point 3	48
Trigger	14	Reserved	32	Test Point 2	49
Trigger Return	15	GND	33	Test Point 1	50
GND	16	+15 Volts DC	34	Test Point 0	51
GND	17	+15 Volts DC	35		
GND	18				