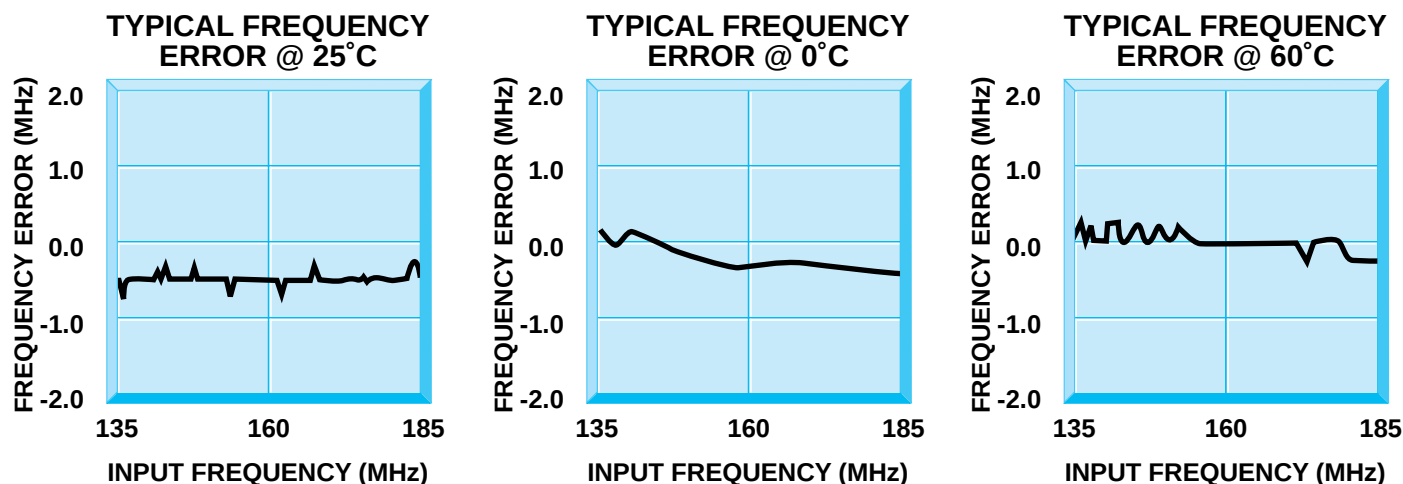


HCDF-4-9032

135 to 185 MHz Digital Frequency Discriminator

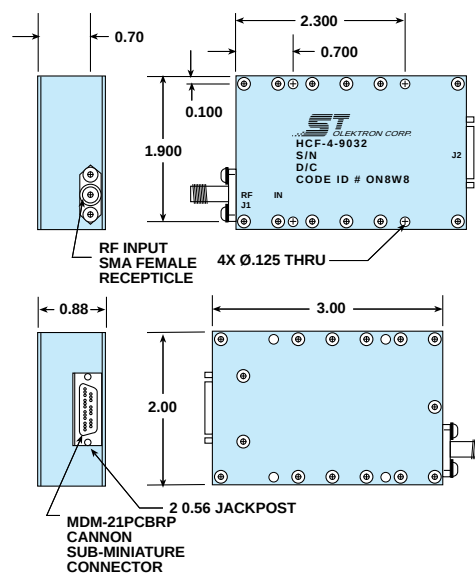


Guaranteed Specifications (-20° to +85°C)

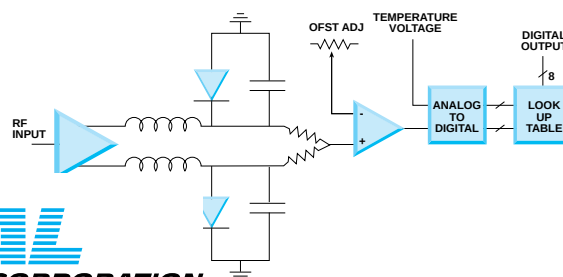
Frequency Range	135 to 185 MHz
Frequency Accuracy ¹	0.5 MHz RMS
Input Signal Level	±5 dBm
Impedance	50 Ohms Nominal
Input VSWR	1.5:1 Max.
Logic Type	Single Ended TTL, 8 Bits Tri-state
Logic Output (MSB...LSB)	10000000 Nom. @ 160 MHz
Least Significant Bit (LSB)	0.25 MHz
Most Significant Bit (MSB)	32 MHz
50% Signal to Valid Data	200 nsec Max.
Input Burst Capture	100 nsec Min.
Supply Power	+5 VDC @ 400 mA Max. +15 VDC @ 125 mA Max. -15 VDC @ 500 mA Max.

Note¹: 8 samples and 15 dB SNR input.

Mechanical Outline



Functional Schematic



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