

HCDF-4-9032 DIGITAL FREQUENCY DISCRIMINATOR

TECHNICAL FEATURE

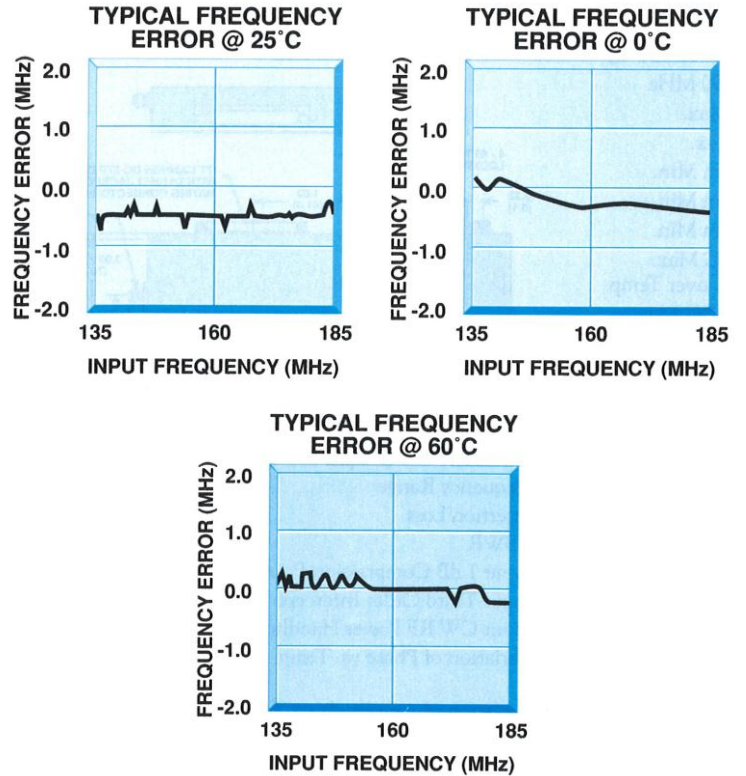
FEATURES

- 135 to 185 MHz

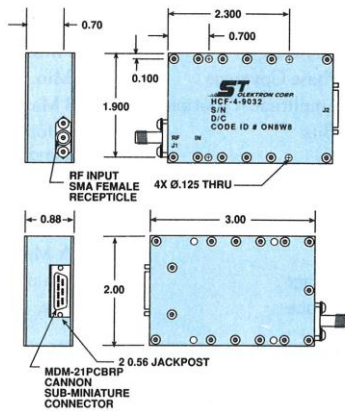
PERFORMANCE

Frequency Range.....	135 – 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 @ 500mA max
Operating Temperature Range.....	-20° to +85° C

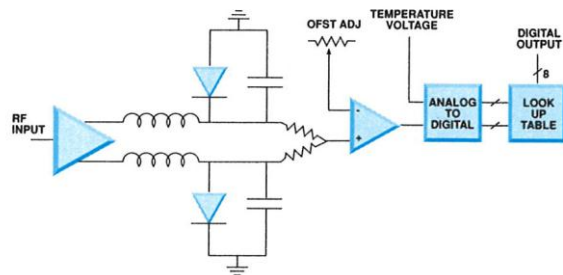
Note¹: 8 samples and 15 dB SNR input



MECHANICAL OUTLINE



FUNCTIONAL SCHEMATIC



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