



**PLANAR  
MONOLITHICS  
INDUSTRIES,  
INC.**

# **6.0 TO 10.0 GHz FREQUENCY DISCRIMINATOR PMI MODEL No: FD-0518-10-610**

## **KEY FEATURES:**

- **6.0 TO 10.0 GHz**
- **100 OHMS IMPEDENCE**
- **20 nS VIDEO RISE TIME**



- **FREQUENCY RANGE** : **6.0 TO 10.0 GHz (OTHER FREQUENCIES AVAILABLE)**
- **INPUT VSWR** : **1.5:1 TYPICAL, 2.0:1 MAXIMUM**
- **OPERATING INPUT RF POWER** : **+10 dBm NOMINAL ±0.1 dBm**
- **VIDEO IMPEDENCE** : **100 Ohms NOMINAL**
- **VIDEO OUTPUT RISE TIME** : **20 nS**
- **VIDEO OUTPUT SLOPE** : **50 mV / GHz**
- **ACCURACY** : **±200 MHz TYPICAL, ±300 MHz MAXIMUM**
- **SURVIVALRF POWER** : **+15 dBm**
- **DC POWER SUPPLY (POSITIVE)** : **+15 VDC @ +75 mA**
- **DC POWER SUPPLY (NEGATIVE)** : **-15 VDC @ -75 mA**
- **SIZE** : **2.00" X 1.80" X 0.50"**
- **WEIGHT** : **<4 oz.**
- **INPUT & OUTPUT RF CONNECTORS** : **SMA FEMALE STANDARD (OTHER OPTIONS AVAILABLE)**
- **DC POWER CONNECTORS** : **SOLDER PIN STANDARD (OTHER OPTIONS AVAILABLE)**

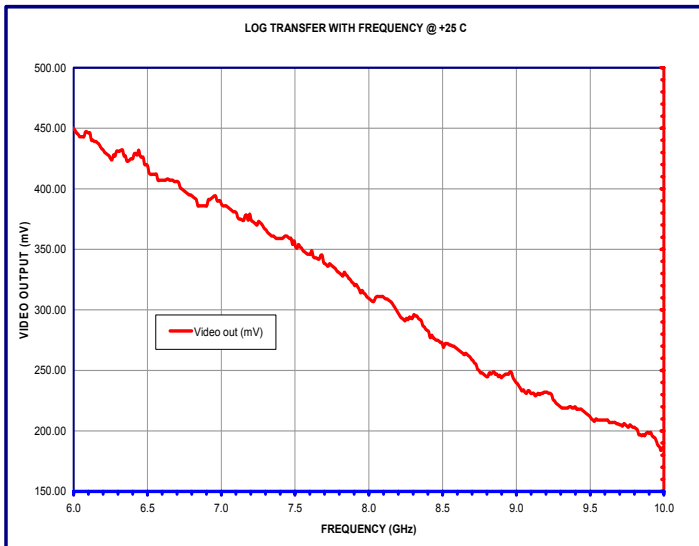
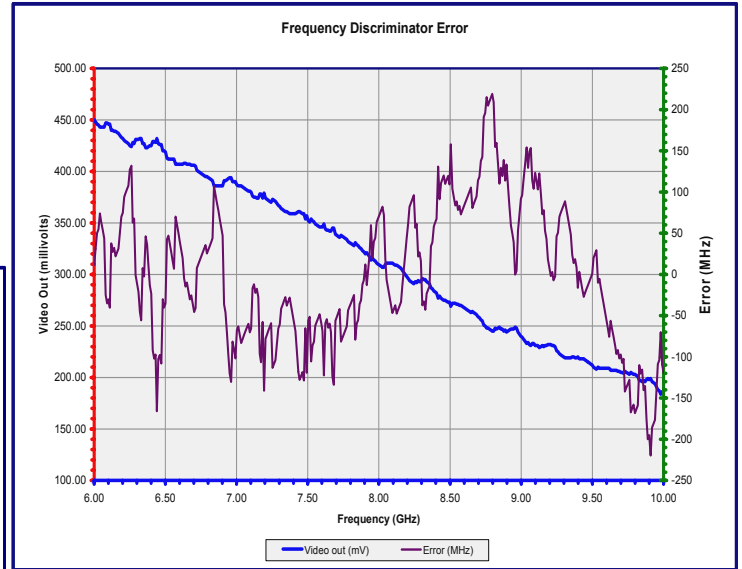
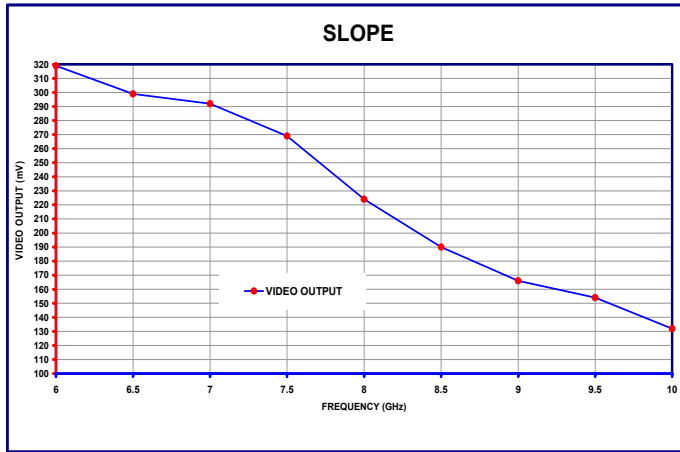
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**ISO9001 : 2000 CERTIFIED**

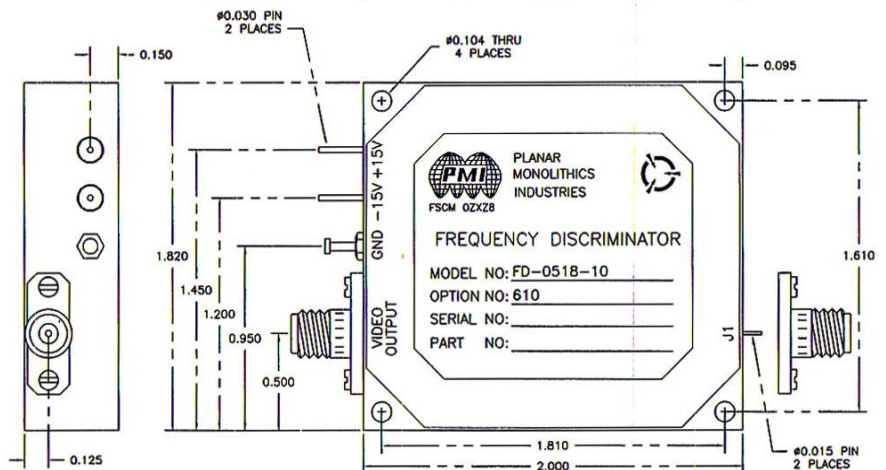
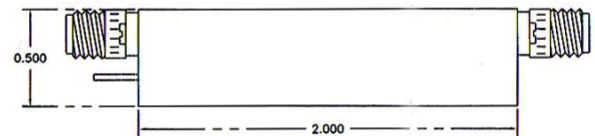


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## MECHANICAL OUTLINE



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