

S1006 DRO

This dielectric resonator stabilized oscillator provides high power output without the expense of a GaAs FET amplifier, all in an envelope measuring only 2.9 x 3.2 x 1.0 inches. AM noise is exceptionally low. Suitable for military or commercial use.

Features:

- Dielectric Resonator Stabilized
- TTL Control
- Excellent Frequency Stability
- Minimal Pushing and Pulling

Application:

- Doppler Navigation Radar

Specifications:

Operating Frequency: 13.00 GHz
Output Power: 60 mW
Modulation: TTL compatible input, max. modulation rate 12 MHz, max. shift rate 2 MHz
Operating Temperature: -40 to +85 °C
Output Power Over Temp: 40 mW nominal
Frequency Stability: ±5 MHz
Harmonic Output: better than -20 dBc
FM Noise: better than -90dBc in 1 Hz BW @ 10 kHz from carrier
AM Noise: better than -130 dBc/Hz @ 10 kHz from carrier
VSWR Pulling: < 2 MHz p-p 1.2:1 VSWR all phases
Power Requirements: +15 V, 0.75 A with 1.2 A max. surge

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316 East 9th Street
Owensboro, KY 42303
U.S.A.

800-803-6515 270-68563405 (fax) 270-685-6202

www.mpdcomponents.com