

Gunn Oscillator Regulator SOR Series

FEATURES:

- ◆ Highly regulated and precise output voltage
- ◆ Low ripple to reduce AM modulation



APPLICATIONS:

- ◆ Lab test setups
- ◆ Gunn oscillator protection
- ◆ Gunn oscillator enhancement

DESCRIPTION:

SOR series Gunn oscillator regulators are offered to either protect or enhance the characteristics and functionalities of Gunn oscillators. The well-regulated, low ripple bias voltage supplied by the regulator prevents damage from overvoltage and reduces the signal amplitude and frequency modulations caused by the ripples of the bias.

CATALOG MODEL:

Product Name	Gunn Oscillator Regulator
Model Number	SOR-R3
Input Voltage (V_{DC}), Typical	+15 V_{DC}
Output Voltage Range (V_{DC})	+3.0 to +12.0 V_{DC}
Output Current Capacity (A)	2.5 A
Ripple and noise (20 Hz to 20 MHz), Typical	350 μV rms, 2 mVp-p
Internal Modulation Waveform	N/A
Internal Modulation Rate (KHz)	N/A
External Modulation Waveform	N/A
External Modulation Rate (KHz), Maximum	N/A
External Modulation Amplitude (Volts)	N/A
Input Connectors	Banana Jack
Output Connector	SMA (F)
External Modulation Input Connector	BNC (F)
Outline	OR-R3

Note: The regulator is designed for biasing Gunn diodes only.