

Voltage Regulator

SOR-05-SM-R1 is a voltage regulator designed and manufactured to protect externally biased products from being reverse biased or over biased. The well-regulated and low ripple output voltage supplied by the regulator ensures externally biased products operate with a stable DC supply. The voltage regulator is recommended for use with Eravant's externally biased mixers product line with model number SFB-XX-E2, where XX indicates waveguide band.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Input Voltage		+6 to +15 V _{DC}	
Output Voltage*		+5 V _{DC}	
Maximum Output Current		5 mA	
Specification Temperature		+25°C	
Case Temperature	0°C		+50°C

*DC output voltage is factory set to appropriate level depending on the mixer model.

Mechanical Specifications:

Item	Specification
Input Connector	Bias Pins
Output Connector	SMA (M)
Case Material	Aluminum
Finish	Gold Plated
Weight	2.4 Oz
Outline	OR-RC

ECCN

EAR99

FEATURES

- High Regulated and Precise Output Voltage

APPLICATIONS

- Lab Test Setups
- Externally Biased Mixer

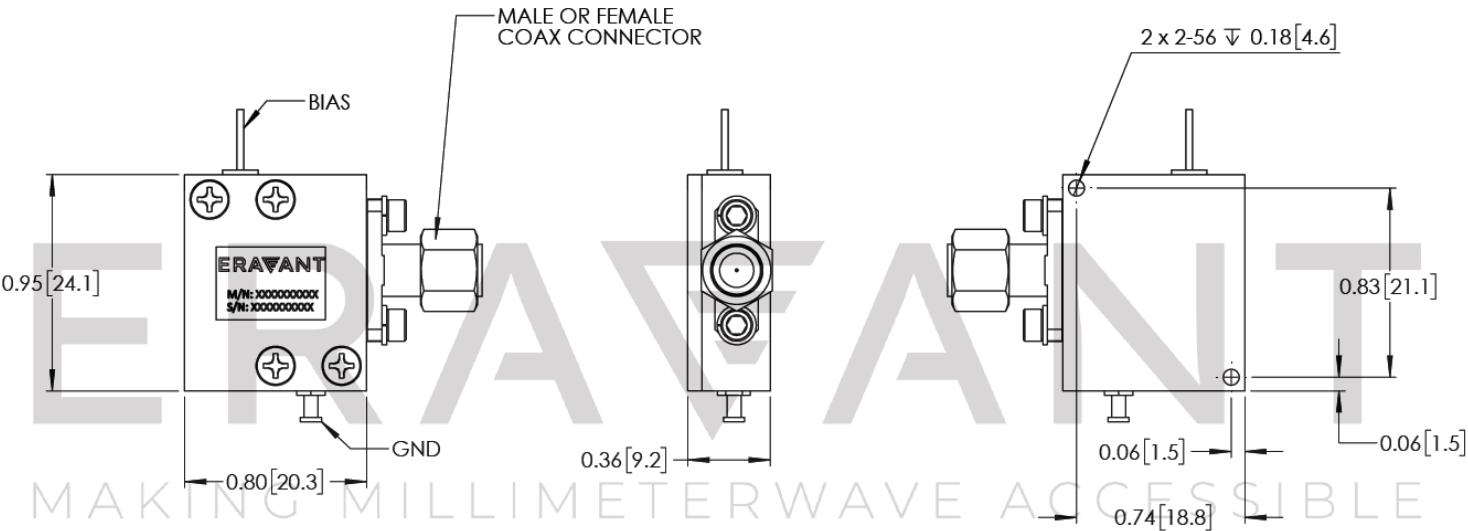
SUPPLEMENTAL DETAILS



SOR-05-SM-R1

Mechanical Outline:

Unless otherwise specified, all dimensions are in inches [millimeters]



NOTE:

- The regulator is tuned to the designated externally biased product.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- Do not use the regulator as a universal product to bias non-designated products. To do so will cause equipment damage.
- For 1.35 mm, 1.85 mm, 2.4 mm, 2.92 mm, and SMA connectors proper torque, 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm) should be applied. Eravant torque wrench model SCH-08008-S1 is highly recommended.