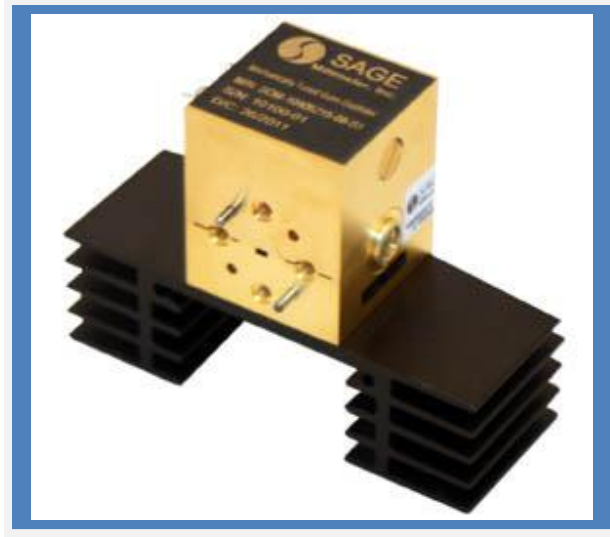


F Band Mechanically Tuned Gunn Oscillator



Model SOM-10401317-08-S1 is a free running F band mechanically tuned Gunn oscillator with output power +17 dBm and mechanically tuning bandwidth +/- 0.5 GHz. The mechanical tuning is accomplished via a self-locking tuning screw or micrometer. The bias voltage and current to operate the oscillator is at +4.5 Vdc and 750 mA typically. The semiconductor used on the oscillator is a GaAs Gunn diode. Therefore, no concerns exist in terms of device availability and product continuation ability. The oscillator is also bias tunable to allow frequency modulation via its bias port. While the oscillator exhibits moderate frequency stability, an optional heater can be installed to further improve the temperature performance with a single bias at +10 Vdc to supply heating power up to 5 watts. The mechanically tuned Gunn oscillator family also includes the models to cover Ka, Q, U, V, E and W band.

SAGE Millimeter, Inc.

3043 Kashiwa Street
Torrance, CA 90505
(424)-757-0168; (424)-757-0188 (Fax)
www.sagemillimeter.com