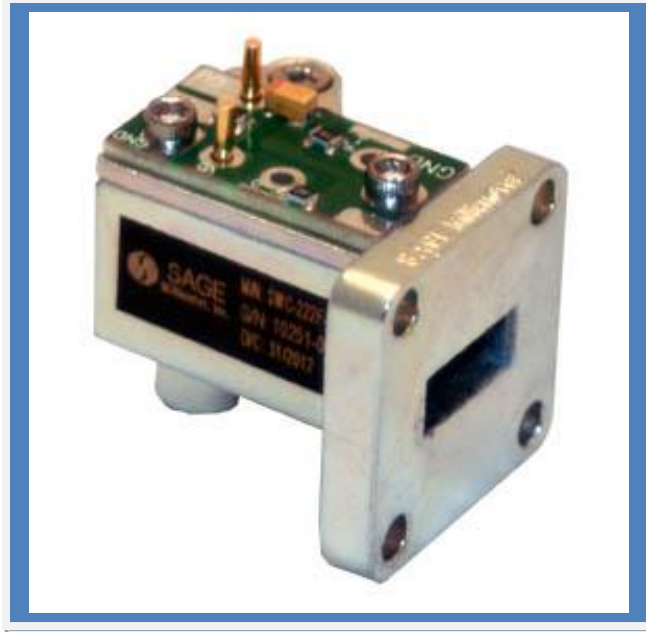


Low Cost K Band Varactor Tuned Gunn Oscillator



Model SOL-24307-42-VG is a low cost, production ready K band Varactor tuned Gunn oscillator. The center frequency of the VCO is set at 24.125 GHz with +/-150 MHz frequency modulation bandwidth and +7 dBm nominal output power. The VCO operates from a single +5 .0 Vdc power supplier and typically draws 250-mA current and requires 0 to +15 volts voltage swing for electrical tuning. The VCO is designed and manufactured to meet FCC Parts 15 regulations and exhibits -0.8 MHz/°C frequency and -0.03 dB/°C power stability. The operation temperature range of the VCO is from -40 to +85 °C. The standard model is equipped with WR-42 waveguide with UG595/U flange interface, measures 1.00" (H) x 0.85"(W) x 1.00" (L) and weighs 2 Oz. This VCO is the key building block for many FMCW ranging sensor. The output power levels other than +7 dBm are offered under different model numbers. Contact factory for product details.

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