

SPRAGUE-GOODMAN ELECTRONICS, INC.

20 VOLT AXIAL LEADED ABRUPT TUNING VARACTOR DIODES

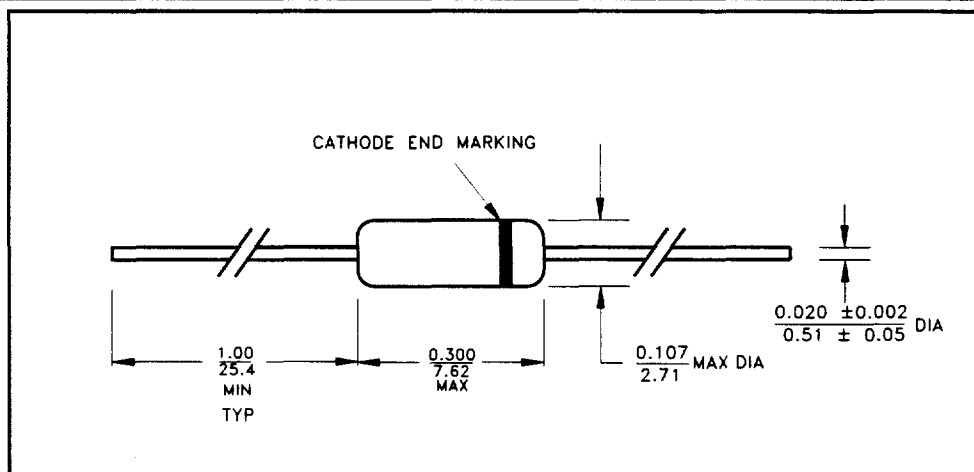
FEATURES

- High Reliability
- Hermetically Sealed Package
- High Tuning Ratios
- High Q
- Economically Priced
- Other Packages Available

SPECIFICATIONS

Reverse breakdown voltage (at 10 mA DC) at 25°C: 20 V min
 Maximum reverse leakage current (at -15 V) at 25°C: 0.1 μ A DC
 Device dissipation (at 25°C): 400 mW
 Series Inductance (f at 250 MHz): 5 nH Typical
 Case Capacitance (f at 1 MHz): 0.25 pF Typical
 Operating Junction Temperature Range: +175 °C

MODEL NUMBER	DIODE CAPACITANCE C_T (pF) at -4 V, f=1 MHz, $\pm 10\%$	CAPACITANCE RATIO		Q min @ -4 V (50 MHz)
		C_T at -2 V / min	C_T at -20V max	
GVD80620-007	6.8	2.0	3.2	300
GVD80622-007	8.2	2.0	3.2	300
GVD80624-007	10.0	2.0	3.2	300
GVD80626-007	12.0	2.0	3.2	300
GVD80628-007	15.0	2.0	3.2	250
GVD80630-007	18.0	2.0	3.2	250
GVD80632-007	20.0	2.0	3.2	250
GVD80634-007	22.0	2.0	3.2	250
GVD80636-007	27.0	2.0	3.2	200
GVD80638-007	33.0	2.0	3.2	200
GVD80640-007	39.0	2.0	3.2	200
GVD80642-007	47.0	2.0	3.2	200
GVD80644-007	56.0	2.0	3.2	150
GVD80646-007	68.0	2.0	3.2	150
GVD80648-007	82.0	2.0	3.2	150
GVD80650-007	100.0	2.0	3.2	150



DO-204 AA Package (Formerly DO-7 Package)

DS9-1