

General Purpose Schottky Diodes

Description

The **MicroMetrics** MGR-700 Series are general purpose Schottky Barrier diodes specially designed to achieve a high voltage breakdown. This series of diodes can be used in the UHF and VHF frequency bands for pulse shaping, sampling and as fast logic gates.

Applications

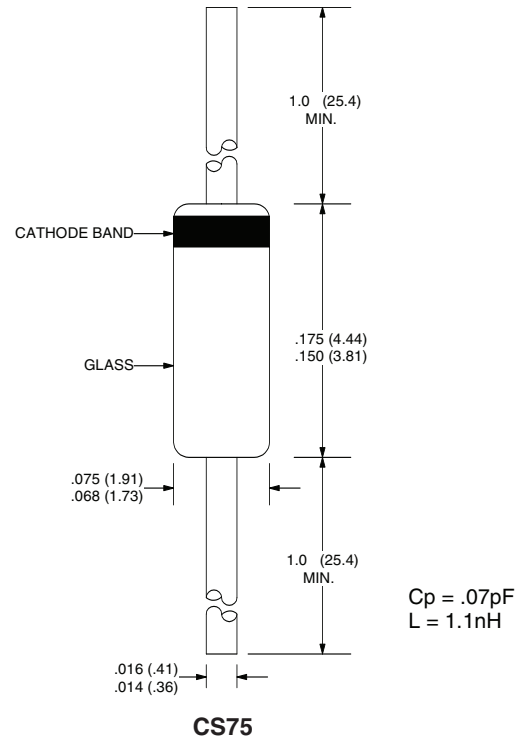
The MGR-700 Series Schottky Barrier diodes are designed for use as high level mixers and detectors, fast switching and up converters.

Features

- Fast Switching
- High Breakdown Voltage
- Low Cost

Packaging

- Chip, Glass, Ceramic



Schottky Diodes	MGR-700 Series
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Electrical Characteristics

Breakdown Voltage I_r 10 μ A MIN (V)	Forward Voltage 1mA TYP (V)	Junction Capacitance @0 Vdc 1 MHz MAX (pF)	Leakage Current 80% V_b MAX (nA)	Part Number
8.0	0.34	1.2	100.0	MGR700
8.0	0.34	1.0	100.0	MGR701
20.0	0.55	1.2	100.0	MGR702
20.0	0.41	1.0	100.0	MGR703
70.0	0.41	2.0	200.0	MGR704
70.0	0.41	1.2	200.0	MGR705
20.0	0.41	1.0	100.0	1N5711
70.0	0.41	1.2	200.0	1N5712

Maximum Ratings

Operating Temperature	-55°C to + 150°C
Storage Temperature	-65°C to + 200°C
Reverse Voltage	See Voltage Ratings