

### Features

- Fast Switching
- High Breakdown Voltage

### Description

The 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.



Bare Die

### Electrical Specifications: $T_A = 25^\circ\text{C}$

Model	Voltage Breakdown ( $V_B$ )	Forward Voltage ( $V_F$ )	Junction Capacitance ( $C_J$ )	Leakage Current ( $I_R$ )
	$I_R$ 10 $\mu\text{A}$	1 mA	@ 0 Vdc, 1 MHz	80% $V_B$
	V	V	pF	nA
	Min.	Typ.	Max.	Max.
MGR700	8	0.34	1.2	100
MGR701	8	0.34	1.0	100
MGR702	20	0.55	1.2	100
MGR703	20	0.41	1.0	100
MGR704	70	0.41	2.0	200
MGR705	70	0.41	1.2	200

### Absolute Maximum Ratings

Parameters	Rating
Reverse Voltage	See Voltage Ratings
Operating Temperature	$-55^\circ\text{C}$ to $+150^\circ\text{C}$
Storage Temperature	$-65^\circ\text{C}$ to $+200^\circ\text{C}$

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