

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 μA	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°C to $+150^\circ\text{C}$
Storage Temperature	-65°C to $+200^\circ\text{C}$

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