# MGR70x Series



## Silicon Schottky Diodes

Rev. V1

#### **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<sub>A</sub> = 25°C

	Voltage Breakdown (V <sub>B</sub> )	Forward Voltage (V <sub>F</sub> )	Junction Capacitance (C <sub>J</sub> )	Leakage Current (I <sub>R</sub> )
Model	I <sub>R</sub> 10 μ <b>A</b>	1 mA	@ 0 Vdc, 1 MHz	80% V <sub>B</sub>
	V	V	pF	nA
	Min.	Тур.	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°C	
Storage Temperature	-65°C to +200°C	

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