

## Schottky Diode

### DESCRIPTION

The **MGS905** is a GaAs Schottky bridge quad designed for microwave applications

### FEATURES

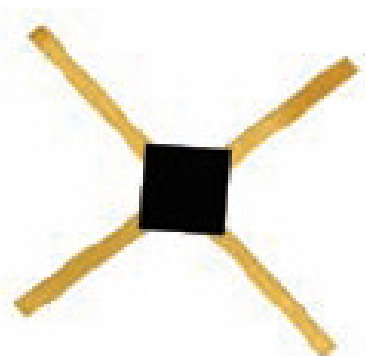
- Rugged construction
- Oxide/Nitride/Polyamide Passivation

### MAXIMUM RATINGS

RATING	LIMITS	UNITS
Pd	100mW per junction at Ta=25°C, derate linearly to zero at Ta=150°C	
Top	-65 to 150	°C
Tstg	-65 to 150	°C

### PACKAGE STYLE

E45



Non Hermetic

### ELECTRICAL CHARACTERISTICS Tc=25C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V <sub>BR</sub>	I <sub>R</sub> =10uA	5	---	---	V
V <sub>F</sub>	I <sub>F</sub> =1mA	650	---	750	mV
ΔV <sub>F</sub>	I <sub>F</sub> =1mA	---	---	20	mV
R <sub>D</sub>	I <sub>F</sub> =5mA	---	---	13	ohm
C	V <sub>R</sub> =0V	---	---	0.13	pF
ΔC	V <sub>R</sub> =0V	---	---	0.03	pF

## PACKAGE OUTLINE

### E45

$C_p=0.07\text{pF}$   
 $L_p=0.4\text{nH}$

