



**SOT-23 SCHOTTKY DIODE**

**FEATURES**

- \* Low Turn-on voltage
- \* Fast switching

**MECHANICAL DATA**

- \* Case: Molded plastic
- \* Epoxy: UL 94V-O rate flame retardant
- \* Lead: MIL-STD-202E method 208C guaranteed
- \* Mounting position: Any
- \* Weight: 0.008 gram

**SOT-23**

Dimensions in inches and (millimeters)

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**  
Ratings at 25°C ambient temperature unless otherwise specified.

**MAXIMUM RATINGS** ( @ TA = 25°C unless otherwise noted )

RATINGS	SYMBOL	VALUE	UNITS
DC Voltage	V <sub>R</sub>	40	V
Forward Continuous Current	I <sub>F</sub>	200	mA
Max. Steady State Power Dissipation @TA=25°C	P <sub>D</sub>	350	mW
Max. Operating Temperature Range	T <sub>J</sub>	150	°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150	°C

**ELECTRICAL CHARACTERISTICS** ( @ TA = 25°C unless otherwise noted )

CHARACTERISTICS	SYMBOL	MIN.	TYP.	MAX.	UNITS
Reverse breakdown voltage (I <sub>R</sub> =10μA)	V <sub>(BR)R</sub>	40	-	-	V
Reverse voltage leakage current (V <sub>R</sub> =50V)	I <sub>R</sub>	-	-	0.2	μA
Forward voltage (I <sub>F</sub> =1mA) (I <sub>F</sub> =40mA)	V <sub>F</sub>	-	-	0.38 1	mV
Diode capacitance (V <sub>R</sub> =0,f=1MHz)	C <sub>D</sub>	-	-	5	pF
Reveres recovery time (I <sub>F</sub> =I <sub>R</sub> =10mA,I <sub>rr</sub> =0.1 X I <sub>R</sub> , R <sub>L</sub> =100Ω)	t <sub>rr</sub>	-	-	5	nS



## DIS

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