

**SMALL SIGNAL SCHOTTKY DIODES**

VOLTAGE RANGE: 45 VOLTS

CURRENT: 0.05 AMPERES

**FEATURES**

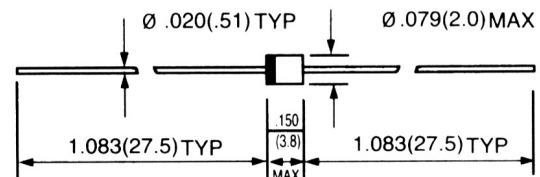
- Metal-on-Silicon junction, majority carrier conduction
- High current capability, Low forward voltage drop
- Extremely low reverse current  $I_R$
- Ultra speed switching characteristics
- Small temperature coefficient of forward characteristics
- Satisfactory Wave detection efficiency
- For use in RECORDER. TV. RADIO. TELEPHONE as detectors, super high speed switching circuits, small current rectifier

**MECHANICAL DATA**

Case: DO-35 glass case

Polarity: Color band denotes cathode end

Weight: Approx. 0.13 gram

**DO-35(GLASS)**


inch (mm)

**ABSOLUTE RATINGS**

Parameters	Symbols	Value	UNITS
Repetitive Peak Reverse Voltage	$V_{RRM}$	45	V
Peak Forward Current	$I_{FM}$	150	mA
Peak Forward Surge Current ( $t=I_S$ )	$I_{FSM}$	500	mA
Storage and junction Temperature Range	$T_{STG}/T_J$	-55---+175	°C
Junction Temperature Range	$T_S$	75	°C

**ELECTRICAL CHARACTERISTICS**

Parameters	Symbols	Test Conditions	Value			UNITS
			Min.	Typ.	Max.	
Forward Current	$I_F$	$V_F = 1V$	4			mA
Reverse Current	$I_R$	$V_R = 10V$			50	$\mu A$
Junction Capacitance		$f=1MHz V=1V$			1	pF
Detection Efficiency	$\eta$	$V_1=2V f=40MHz C=20pF R=5k\Omega$	55			%