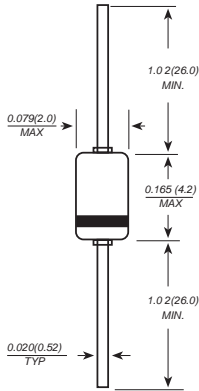


# 1N5712

## SMALL SIGNAL SCHOTTKY DIODES

Reverse Voltage - 20 Volts  $P_{tot}$ - 430 mW

### DO-35(GLASS)



Dimensions in inches and (millimeters)

### FEATURES

- ◆ Fast switching for high efficiency
- ◆ Low reverse leakage
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed  
250°C/10 seconds, 0.375" (9.5mm) lead length,  
5 lbs. (2.3kg) tension

### MECHANICAL DATA

**Case:** DO-35 glass case

**Terminals:** Plated axial leads, solderable per MIL-STD-750, Method 2026

**Polarity:** Color band denotes cathode end

**Mounting Position:** Any

**Weight:** 0.005 ounce, 0.14 grams

### ABSOLUTE RATINGS

	SYMBOLS	Value	UNITS
Peak reverse voltage	$V_{RRM}$	20	V
Power dissipation (Infinite heat sink)	$P_{tot}$	430	mW
Forward continuous current	$I_F$	35	mA
Junction and storage temperature range	$T_J, T_{STG}$	-55 to +150	°C
Maximum lead temperature for soldering during 10s at 4mm form case	$T_L$	230	°C

### ELECTRICAL CHARACTERISTICS

	SYMBOLS	Min.	Typ.	Max.	UNITS
Reverse breakover voltage at $I_R=10mA$	$V_R$	20			V
Leakage current at $V_R=15V$	$I_R$			100	nA
Forward voltage drop at $I_F=1mA$	$V_F$			0.41	V
Test pulse: $t_p < 300ms$ $d < 2\%$ $I_F=15mA$				1.0	V
Junction capacitance at $V_R=0V$ , $f=1MHz$	$C_J$			1.2	pF
Thermal resistance	$R_{qJA}$			400	K/W