

### FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

### MAXIMUM RATINGS

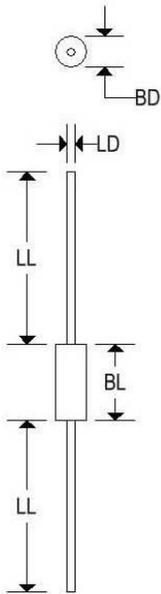
Characteristics	Symbol	Value	Unit
Working inverse voltage	WIV	15	V
DC forward current	I <sub>F</sub>	150	mA
Total power dissipation at T <sub>A</sub> = 25°C	P <sub>D</sub>	250	mW
Linear derating factor from T <sub>A</sub> = 25°C		1.67	mW/°C
Thermal resistance junction to ambient	R <sub>θJA</sub>	300	°C/W
Storage temperature range	T <sub>stg</sub>	-55 to +200	°C
Operating junction temperature	T <sub>J</sub>	175	°C

### ELECTRICAL CHARACTERISTICS (T<sub>A</sub> = 25°C unless otherwise specified)

Characteristics	Symbol	Test Conditions	Min	Typ.	Max	Units
Breakdown voltage	BV	I <sub>R</sub> = 5.0μA	30	-	-	V
Reverse leakage	I <sub>R</sub>	V <sub>R</sub> = 5.0V	-	-	3.0	pA
		V <sub>R</sub> = 15V	-	-	10	
Forward voltage	V <sub>F</sub>	I <sub>F</sub> = 1.0μA	-	530	-	mV
		I <sub>F</sub> = 10μA	-	605	-	mV
		I <sub>F</sub> = 100μA	-	685	-	mV
		I <sub>F</sub> = 1.0mA	-	780	-	mV
		I <sub>F</sub> = 10mA	-	895	-	mV
		I <sub>F</sub> = 50mA	-	995	1050	mV
Capacitance	C <sub>T</sub>	I <sub>F</sub> = 100mA	-	1.07	-	V
		V <sub>R</sub> = 0, f = 1.0MHz	-	-	2.0	pF

**MECHANICAL CHARACTERISTICS**

<b>Case</b>	DO-35
<b>Marking</b>	Body painted, alpha-numeric
<b>Polarity</b>	Cathode band



	DO-35			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	0.055	0.090	1.400	2.290
BL	0.120	0.200	3.050	5.080
LD	0.018	0.022	0.460	0.560
LL	1.000	1.500	25.400	38.100