

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

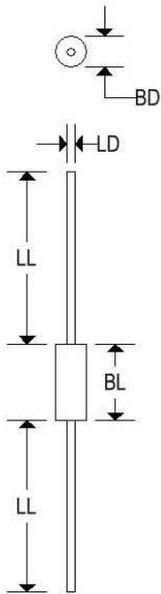
Characteristics	Symbol	Value	Unit
Working inverse voltage	WIV	15	V
DC forward current	I _F	150	mA
Total power dissipation at T _A = 25°C	P _D	250	mW
Linear derating factor from T _A = 25°C		1.67	mW/°C
Thermal resistance junction to ambient	R _{θJA}	300	°C/W
Storage temperature range	T _{stg}	-55 to +200	°C
Operating junction temperature	T _J	175	°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified)

Characteristics	Symbol	Test Conditions	Min	Typ.	Max	Units
Breakdown voltage	BV	I _R = 5.0μA	20	-	-	V
Reverse leakage	I _R	V _R = 5.0V V _R = 15V	- -	- -	5.0 15	pA
Forward voltage	V _F	I _F = 50mA	-	-	1.1	V
Capacitance	C _T	V _R = 0, f = 1.0MHz	-	-	2.0	pF

MECHANICAL CHARACTERISTICS

Case	DO-35
Marking	Body painted, alpha-numeric
Polarity	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