

### 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

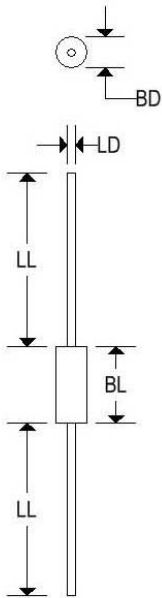
Characteristics	Value
Storage temperature range	-55° to +200°C
Maximum junction operating temperature	+175°C
Lead temperature	+260°C
Power dissipation	
Maximum total power dissipation at 25°C ambient	250 mW
Linear power derating factor (from 25°C)	1.67 mW/°C
Working inverse voltage	
FJT1100	25V
FJT1101	15V
Continuous forward current	150 mA

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

Symbol	Characteristics	Min	Max	Units	Test Conditions
BV	Breakdown voltage	FJT1100 30 FJT1101 20		V	I <sub>R</sub> = 5.0μA
I <sub>R</sub>	Reverse current	FJT1100 FJT1101	1.0 10 5.0 15	pA	V <sub>R</sub> = 5.0V V <sub>R</sub> = 15V V <sub>R</sub> = 5.0V V <sub>R</sub> = 15V
V <sub>F</sub>	Forward voltage	FJT1100 FJT1101	1.05 1.10	V	I <sub>F</sub> = 50mA
C	Capacitance	FJT1100 FJT1101	1.5 1.8	pF	V <sub>R</sub> = 0, f = 1MHz

### 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