

SMALL SIGNAL SCHOTTKY DIODES

DO-35

BAT85

FEATURES

- · For general purpose applications
- These diodes features very low turn-on voltage and fast switching.
 These devices are protected by a PN junction guard ring against excessive voltage, such as electrostatic discharges.
- $\cdot~$ This diode is also available in the MiniMELF case with type designation LL85.
- · High temperature soldering guaranteed:260°C/10 seconds at terminals
- · Component in accordance to RoHS 2002/95/EC and WEEE 2002/96/EC

0. 079 (2. 0) MAX DIA 0. 150 (3. 8) MAX 0. 150 (3. 8) MAX 1. 083 (27. 5) 0. 020 (0. 52) 0. 020 (0. 52) 0. 020 (0. 52)

Dimensions in inches and (millimeters)

MECHANICAL DATA

· Case: DO-35 glass case

· Polarity: color band denotes cathode end

Weight: Approx. 0.13 gram

ABSOLUTE RATINGS(LIMITING VALUES)

	Symbols	Value	Units
Repetitive Peak Reverse Voltage	VR	30	V
Forward Continuous Current at TA=25 C	lF	200 ¹⁾	mA
Repetitive Peak Forward Current at tp<1s, δ <0.5, TA=25 °C	lfм	300 ¹⁾	mA
Surge forward current at tp<10ms , TA=25°C	IFSM	600 ¹⁾	mA
Power Dissipation at TA=65 C	Ptot	200 ¹⁾	mW
Junction temperature	TJ	125	Ĵ
Ambient Operating temperature Range	Та	-65 to+125	°C
Storage Temperature Range	Tstg	-65 to+150	ۍ ۲
1) Valid provided that leads at a distance of 4mm from case are kept at ambie	ent temperature		•

ELECTRICAL CHARACTERISTICS

Symbols	Min.	Тур.	Max.	Unis
V(BR)R	30			V
VF VF VF VF VF		0.50	0.24 0.32 0.4 0.8	> > > >
lr			2	μA
CJ			10	pF
trr			5	ns
Reja			300 ¹⁾	K/W
	V(BR)R VF VF VF VF VF IR CJ trr	V(BR)R 30 VF VF IR CJ trr VF	V(BR)R 30 VF 0.50 VF 0.50	V(BR)R 30 0.24 VF 0.32 0.4 VF 0.50 0.8 VF 2 0.4 VF 10 10 trr 5 5

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