

SMALL SIGNAL SCHOTTKY DIODES

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.
- · 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 2011/65/EU

MECHANICAL DATA

- · Case: DO-35 glass case
- · Polarity: color band denotes cathode end
- * Weight: Approx. 0.13 gram

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

Dimensions in inches and (millimeters)

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 t _P <1s, δ <0.5, T _A =25°C	Iғм	300 ¹⁾	mA
Surge forward current at tp<10ms , TA=25°C	IFSM	5 1)	А
Power Dissipation at TA=65°C	Ptot	200 1)	mW
Junction temperature	TJ	125	°C
Ambient Operating temperature Range	TA	-55 to+125	°C
Storage Temperature Range	Тѕтс	-55 to+150	°C
1) Valid provided that leads at a distance of 4mm from case are kept at amb	ient temperature		

ELECTRICAL CHARACTERISTICS

Symbols	Min.	Тур.	Max.	Unis
V(BR)R	30			٧
VF			0.24	V
VF			0.32	V
VF			0.4	V
VF		0.50		V
VF			0.8	V
l _R			2	μА
CJ			10	pF
trr			5	ns
RθJA			300 ¹⁾	°C/W
	V(BR)R VF VF VF VF IR CJ trr	V(BR)R 30 VF VF VF VF VF IR CJ trr	V(BR)R 30 VF VF VF VF VF VF LR CJ trr	V(BR)R 30 VF VF VF VF VF VF VF CJ Trr VBR)R 30 0.24 0.32 0.4 0.50 0.8 1R 2 10 5