SCHOTTKY DIODE

VOLTAGE RANGE: 20 VOLTS
CURRENT: 300mA

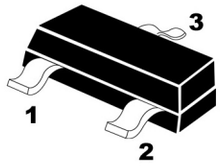
FEATURES

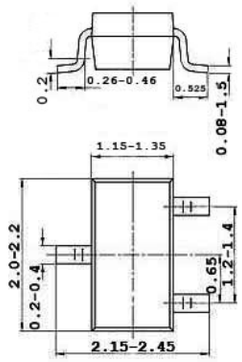
- Low forward voltage: V_F = 0.38V(typ.)
- Low reverse current: I_R = 50μA(max)
- Small total capacitance: C_T = 46pF(typ.)

MARKING: D9

SOT-323

1. ANODE
2. NC
3. CATHODE





UNIT:mm

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.

MAXIMUM RATINGS

Parameters	Symbols	Limits	UNITS
Non-Repetitive Peak Reverse Voltage	V_{RM}	25	V
Peak Repetitive Peak Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	20	V
Forward Continuous Current	I_{FM}	700	mA
Average Rectified Output Current	I_O	300	mA
Power Dissipation	P_d	100	mW
Junction Temperature	T_J	125	℃
Storage Temperature Range	T_{STG}	-55-125	℃

ELECTRICAL CHARACTERISTICS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Reverse Breakdown Voltage	$V_{(BR)R}$	I_R =100μA	20			V
Forward Voltage	V_{F1} V_{F2} V_{F3}	I_F=1mA I_F=10mA I_F=300mA		0.16 0.22 0.38	 0.45	V V V
Reverse Current	I_R	V_R=20V			50	μA
Capacitance between Terminals	C_T	V_R =0V, f=1MHz		46		pF