SWITCHING DIODE

VOLTAGE RANGE: 75 VOLTS
CURRENT: 100mA

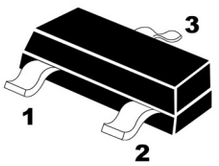
FEATURES

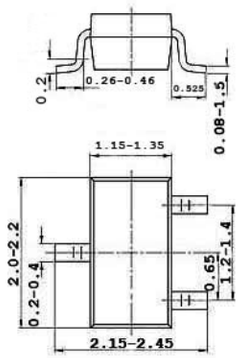
- High speed switching: trr = 3.0ns(max)
- Low capacitance: C_T = 1.1pF(typ.)

MARKING: A6

SOT-323

1. ANODE
2. ANODE
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}	75	V
DC Blocking Voltage	V_R	50	V
Average Rectified Output Current	I_O	100	mA
Power Dissipation	P_d	100	mW
Junction Temperature	T_J	150	℃
Storage Temperature Range	T_{STG}	-55-150	℃

ELECTRICAL CHARACTERISTICS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Reverse Breakdown Voltage	$V_{(BR)R}$	I_R =100μA	75			V
Forward Voltage	V_{F1}	I_F=10mA		0.67	1	V
	V_{F2}	I_F=50mA		0.75	1.1	V
	V_{F3}	I_F=100mA		0.85	1.2	V
Reverse Current	I_R	V_R=50V			0.1	μA
Reverse Recovery Time	t_{rr}	I_F = 10mA, V_R=6V R_L=100Ω, I_{rr}=0.1*I_R			3.0	ns
Capacitance between Terminals	C_T	V_R =0V, f=1MHz		1.1	4.0	pF