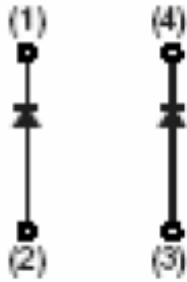
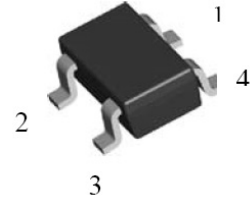


SCHOTTKY BARRIER DIODE

 VOLTAGE RANGE: 40 VOLTS
 CURRENT: 1A

FEATURES

- Low Current Rectification
- High Reliability


MARKING: 3T
SOT-343

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Parameters	Symbols	Limits	UNITS
Peak Reverse Voltage	V_{RM}	45	V
DC Reverse Voltage	V_R	40	V
Peak Forward Current	I_{FM}	1	A
Mean Rectifying Current	I_O	0.1	A
Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-40~+125	°C

ELECTRICAL RATINGS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Forward Voltage	V_F	$I_F=10mA$			450	mV
		$I_F=100mA$			600	
Reverse Current	I_R	$V_R=10V$			1	μA
		$V_R=40V$			5	
Capacitance between Terminals	C_T	$V_R=0V$			25	pF
		$V_R=10V, f=1MHz$		6		