

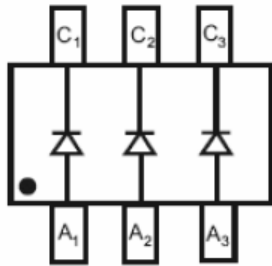
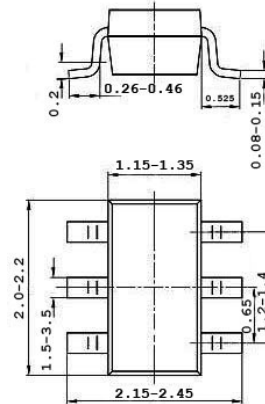
SCHOTTKY DIODE

VOLTAGE RANGE: 40 VOLTS

CURRENT: 200mA

FEATURES

- Low Forward Voltage Drop
- Fast Switching


MARKING: K43
SOT-363


UNIT:mm

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

MAXIMUM RATINGS

Parameters	Symbols	Limits	UNITS
Non-Repetitive Peak Reverse Voltage	V_{RM}	40	V
DC Blocking Voltage	V_R	40	V
Average Rectified Output Current	I_O	200	mA
Power Dissipation	P_d	200	mW
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	625	°C/W
Junction Temperature	T_J	-55~+125	°C
Storage Temperature Range	T_{STG}	-65~+125	°C

ELECTRICAL CHARACTERISTICS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Reverse Breakdown Voltage	$V_{(BR)}$	$I_R=10\mu A$	40			V
Reverse Voltage Leakage Current	I_R	$V_R=30V$			200	nA
Forward Voltage	V_F	$I_F=1mA$ $I_F=40mA$			380 1000	mV
Total Capacitance	C_T	$V_R=0V, f=1MHz$			5	pF
Reverse Recovery Time	t_{rr}	$I_F=10mA, I_R =I_F=1mA,$ $R_L=100\Omega$			5	ns

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