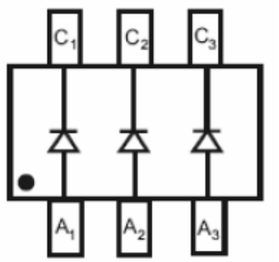
SCHOTTKY DIODE

VOLTAGE RANGE: 40 VOLTS
CURRENT: 200mA

FEATURES

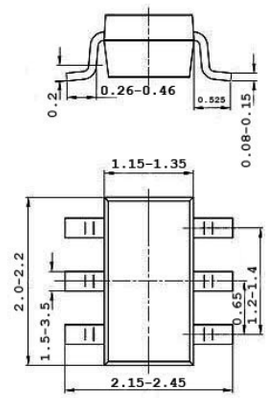
- Low Forward Voltage Drop
- Fast Switching



MARKING: K43

SOT-363





UNIT:mm

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ 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	℃/W
Junction Temperature	T_J	-55~+125	℃
Storage Temperature Range	T_{STG}	-65~+125	℃

ELECTRICAL CHARACTERISTICS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Reverse Breakdown Voltage	$V_{(BR)}$	I_R=10μA	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=100Ω			5	ns

RoHS Pb-free TIP Semiconductor