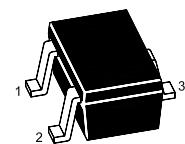
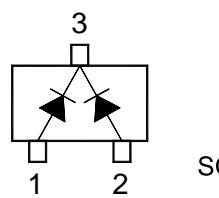


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Schottky Barrier Diode

Features

- Low current rectification



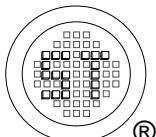
SOT-323 Plastic Package
Marking Code: 3D

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RM}	40	V
Reverse Voltage	V_R	40	V
Average Rectified Forward Current	$I_{F(AV)}$	30	mA
Peak Forward Surge Current ($t = 8.3 \text{ ms}$)	I_{FSM}	200	mA
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 125	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at $I_F = 1 \text{ mA}$	V_F	-	-	0.37	V
Reverse Breakdown Voltage at $I_R = 10 \mu\text{A}$	$V_{(BR)R}$	40	-	-	V
Reverse Current at $V_R = 10 \text{ V}$	I_R	-	-	1	μA
Capacitance between Terminals at $V_R = 1 \text{ V}, f = 1 \text{ MHz}$	C_t	-	2	-	pF

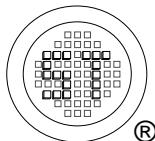
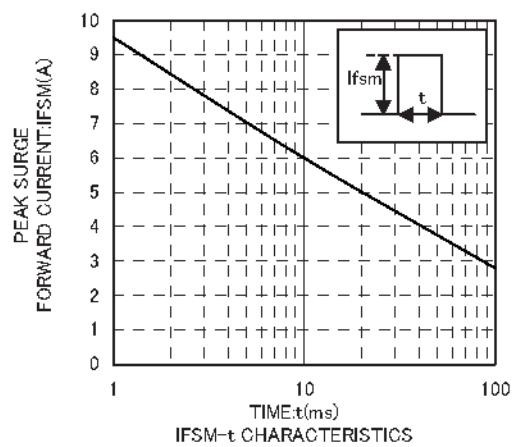
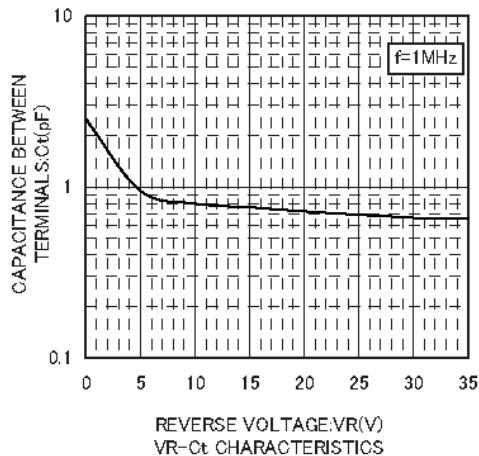
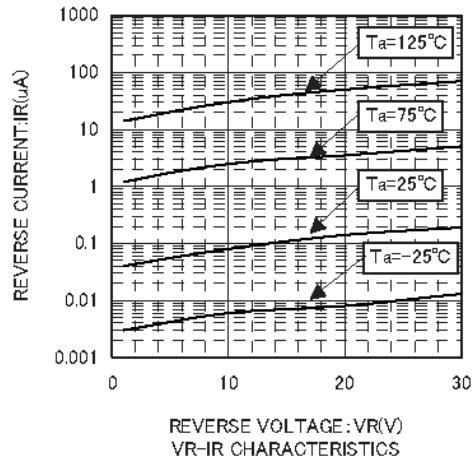
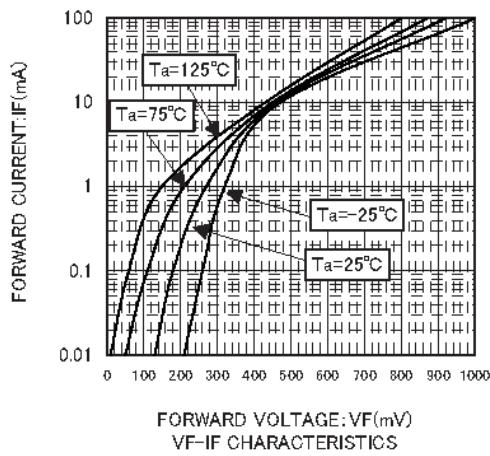


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ISOTS 16949 : 2009 ISO14001 : 2004 ISO 9001 : 2008 BS-OHSAS 18001 : 2007 IECQ QC 080000
Certificate No. 160713000 Certificate No. 7116 Certificate No. 5071310 Certificate No. 7116
Intertek UKAS DEKRA Intertek UKAS SGS

Dated: 23/11/2015 Rev:02