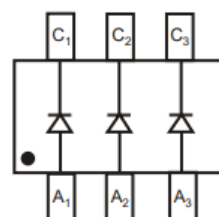
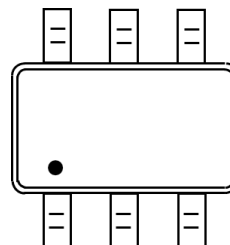


FEATURES AND BENEFITS

Product Summary		
I_F	70mA	@25 °C
V_F	0.41V	@1mA
V_{RRM}	70V	@25 °C

- Low Forward Voltage Schottky Rectifier
- High Frequency Inverters
- RoHS Compliant / Green EMC UL Flammability Classification Rating 94V-0
- Matte Tin (Sn) Lead finish Solderable per MIL-STD-202, Method 208
- Moisture Sensitivity: Level 1 per J-STD-020

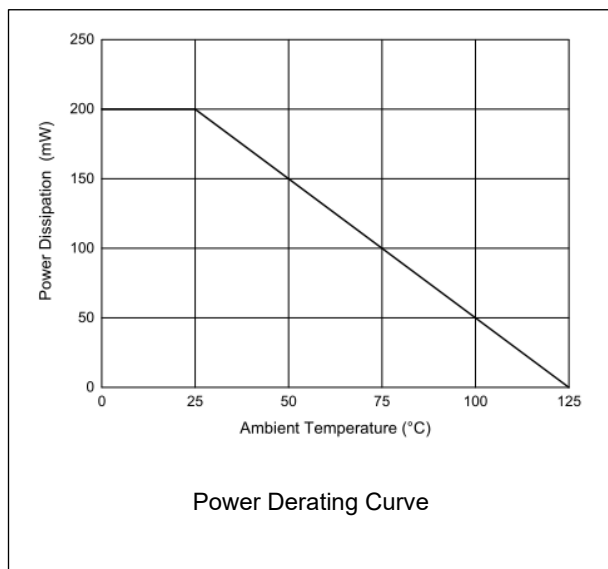
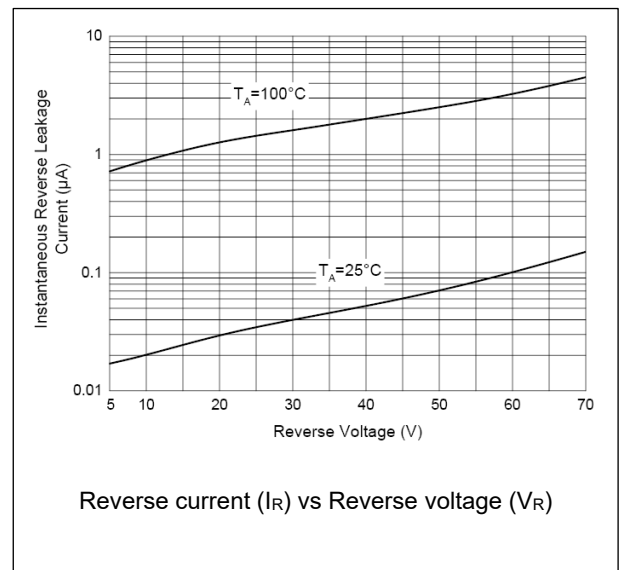
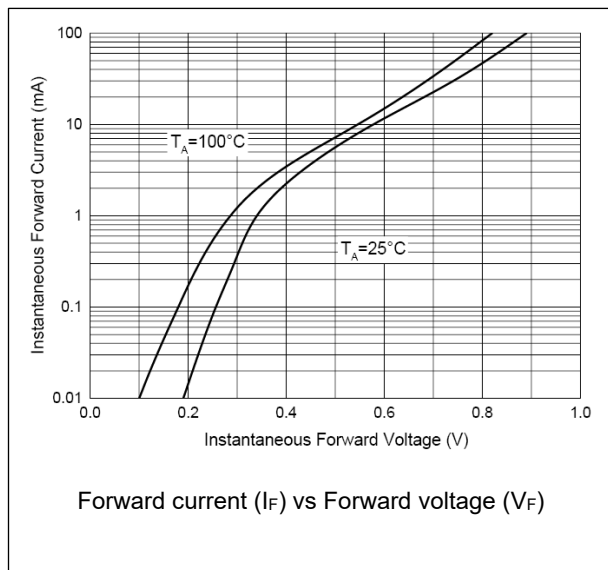
SOT-363



Maximum Ratings (TA = 25 °C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	70	V
DC Blocking Voltage	V_R	70	V
Average Current	I_F	70	mA
Non-Repetitive Peak Forward Surge Current (@t=8.3ms)	I_{FSM}	100	mA
Power Dissipation	P_{TM}	200	mW
Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-55 to +150	°C

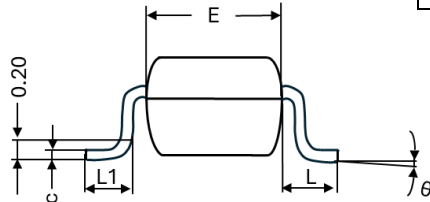
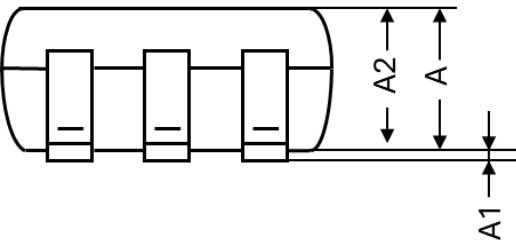
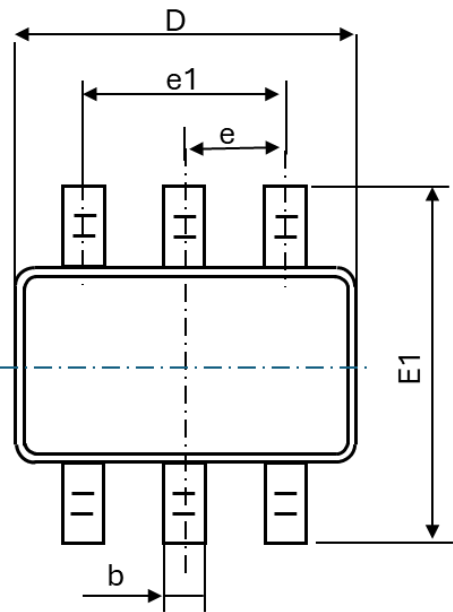
ELECTRICAL CHARACTERISTICS (TA = 25 °C unless otherwise noted)					
PARAMETER	SYMBOL	CONDITION	MIN	MAX	UNIT
Forward Voltage	V_F	$I_F = 1\text{mA}$		0.41	V
		$I_F = 15\text{mA}$		1.00	
Reverse Current	I_R	$V_R = 50\text{V}$		0.10	uA
Capacitance	C_T	$V_R = 0\text{V}, f = 1\text{MHz}$		2.00	pF
Reverse Recovery Time	t_{rr}	$I_F = I_R = 10\text{ mA}, I_{RR} = 1\text{mA}, R_L = 100\Omega$		5.00	ns

RATING AND CHARACTERISTICS CURVES



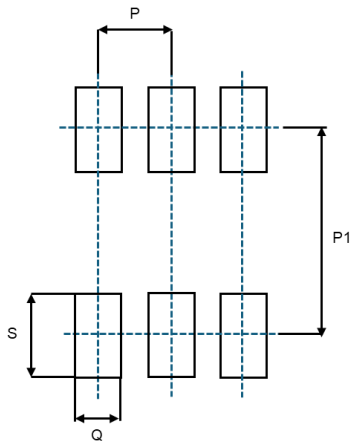
PACKAGE OUTLINE DIMENSIONS

SOT-363



Symbol	MIN	MAX
A	0.90	1.00
A1	0.00	0.10
A2	0.90	1.00
b	0.15	0.30
c	0.10	0.15
D	2.00	2.20
E	1.15	1.35
E1	2.15	2.40
e	0.650TYP.	
e1	1.20	1.40
L	0.525REF.	
L1	0.26	0.45
θ	0°	8°
Unit: mm		

SUGGESTED PAD LAYOUT



Symbol	Type
P	0.65
P1	1.94
Q	0.40
S	0.816
Unit: mm	

DEVICE MARKING AND ORDERING INFORMATION

DEVICE	Marking	Quantity	Packing
BAS70TW	K73	3000/Reel	Tape & Reel

NOTICE:

AZUREMOTO'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS COMPONENTS IN ANY LIFE SUPPORT DEVICES OR SYSTEMS.
AZUREMOTO RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE
RELIABILITY OR RUGGEDNESS.