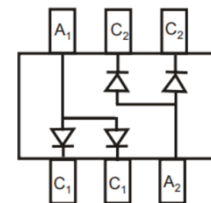
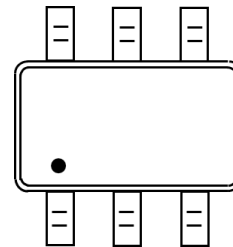


FEATURES AND BENEFITS

Product Summary		
I_F	200mA	@25 °C
V_F	380mV	@1mA
V_{RRM}	40V	@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

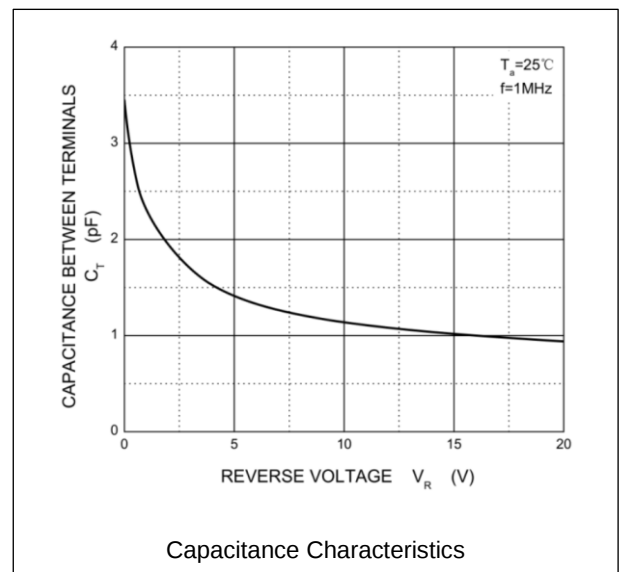
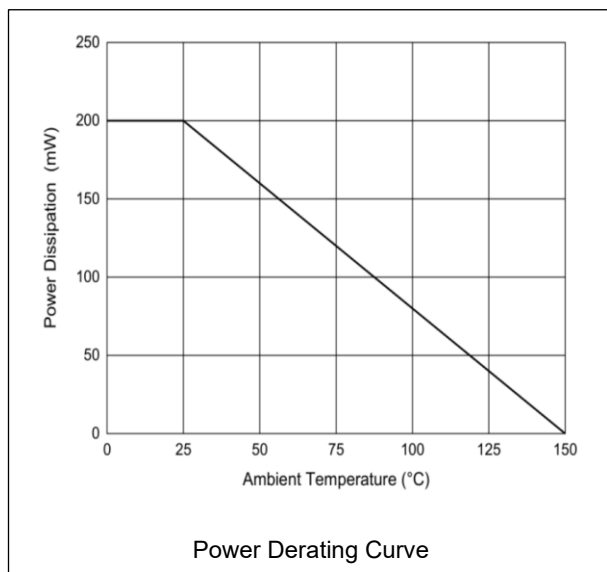
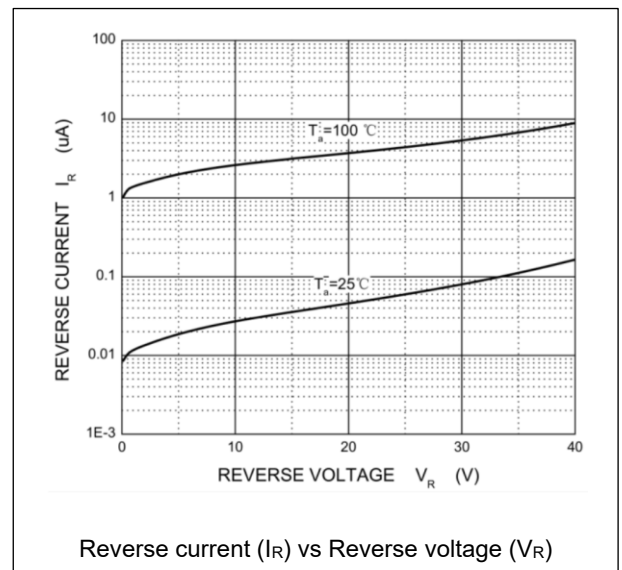
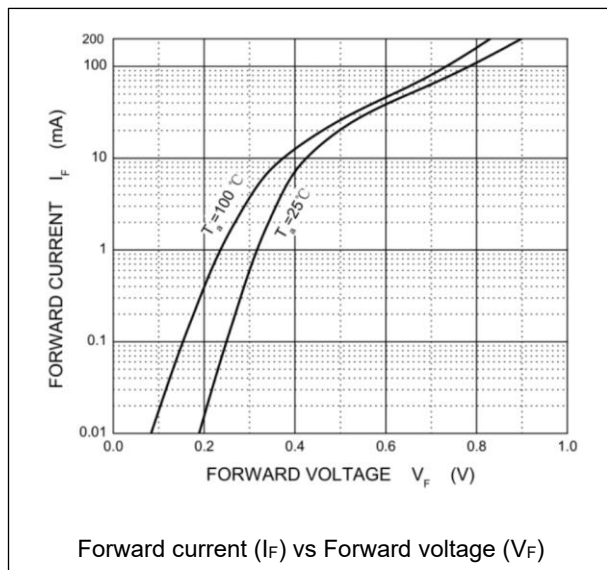
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Maximum Ratings (TA = 25 °C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Working Reverse Voltage	V_{RWM}	40	V
DC Blocking Voltage	V_R	40	V
Average Current	I_F	200	mA
Power Dissipation	P_{TM}	200	mW
Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-55 to +150	°C

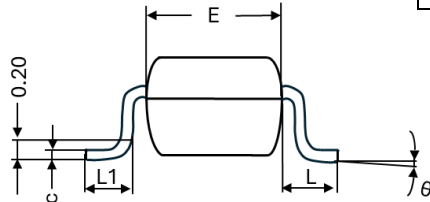
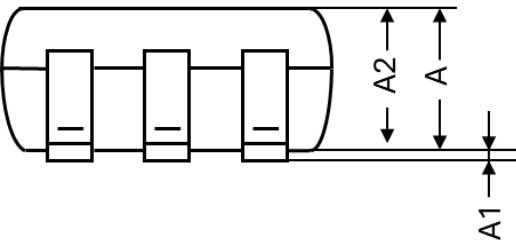
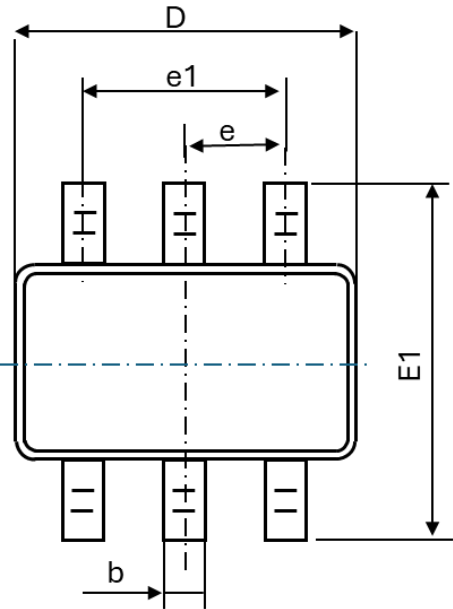
ELECTRICAL CHARACTERISTICS (TA = 25 °C unless otherwise noted)					
PARAMETER	SYMBOL	CONDITION	MIN	MAX	UNIT
Forward Voltage	V_F	$I_F = 1mA$		380	mV
		$I_F = 40mA$		1000	
Reverse Current	I_R	$V_R = 30V$		200	nA
Capacitance	C_T	$V_R = 0V, f = 1MHz$		5.00	pF
Reverse Recovery Time	t_{rr}	$I_{rr} = 1mA, I_F = I_R = 10 mA, R_L = 100\Omega$		5.00	ns

RATING AND CHARACTERISTICS CURVES



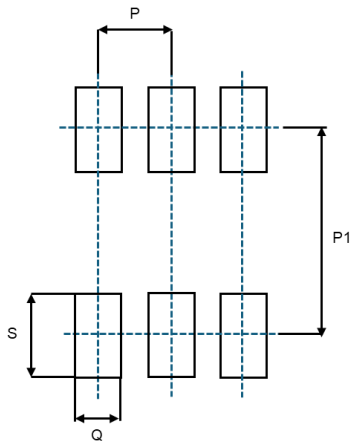
PACKAGE OUTLINE DIMENSIONS

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Symbol	MIN	MAX
A	0.90	1.00
A1	0.00	0.10
A2	0.90	1.00
b	0.15	0.35
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	0.46
θ	0°	8°
Unit: mm		

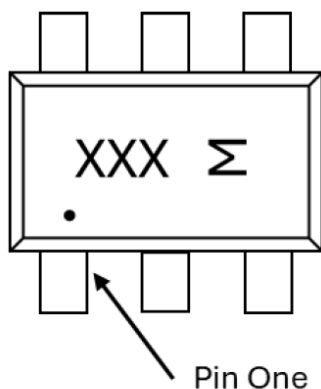
SUGGESTED PAD LAYOUT



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

DEVICE MARKING CODE AND ORDERING INFORMATION

DEVICE	Marking	Quantity	Packing
BAS40DW-06	K46	3000/7"Reel	Tape & Reel



XXX: Product Marking Code

Σ : Date Code (Rotate 90° counterclockwise)

Odd Year	Even Year
1	E
2	F
3	H
4	J
5	K
6	L
7	N
8	P
9	U
T	X
V	Y
C	Z

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