

BAS70TW/DW-04/DW-05/DW-06/BRW

SURFACE MOUNT SCHOTTKY BARRIER

VOLTAGE 70 Volt **CURRENT** 0.07Ampere

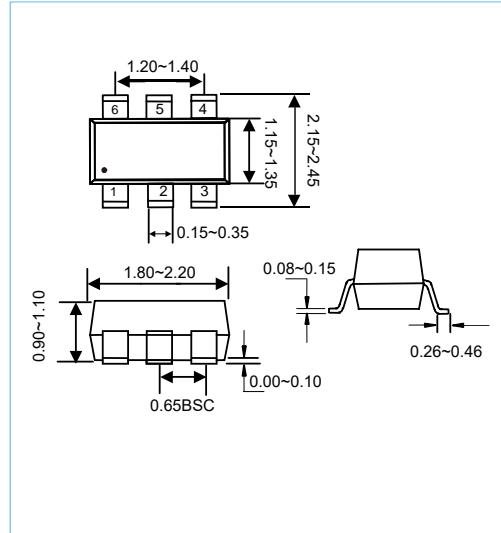
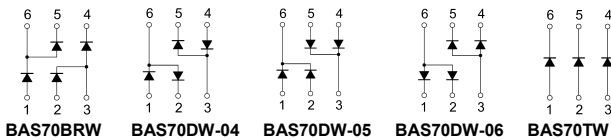
SOT-363 Unit:mm

FEATURES

- Extremely Fast Switching Speed
- Low Forward Voltage
- Lead free in compliance with EU RoHS

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS(T_A = 25°C unless otherwise noted)

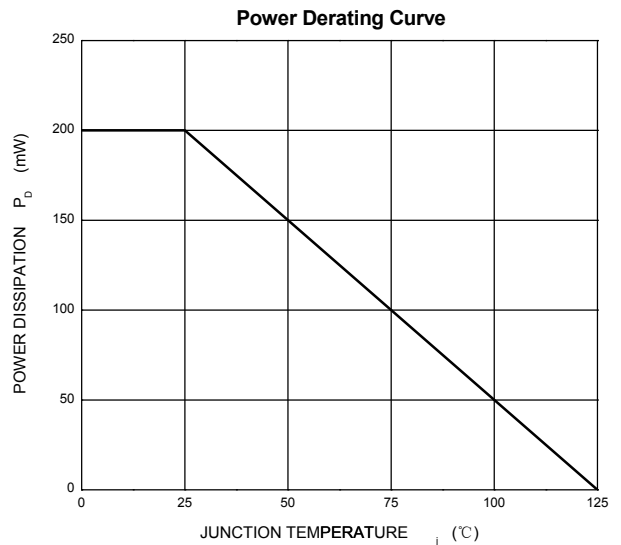
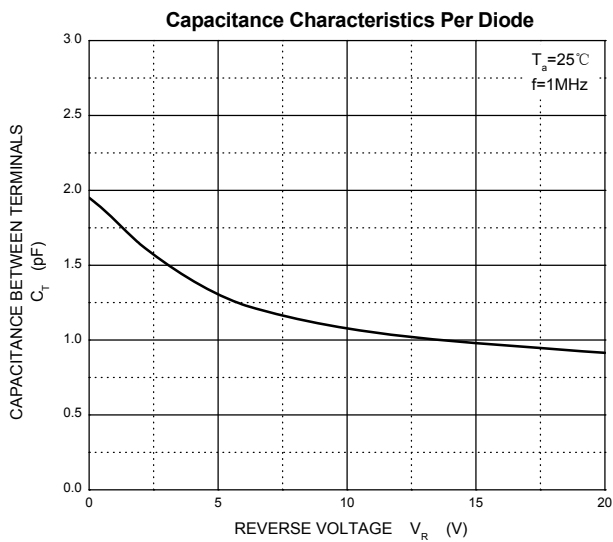
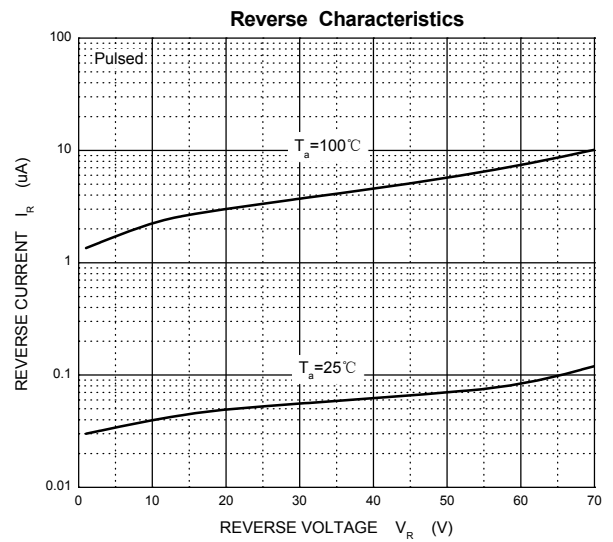
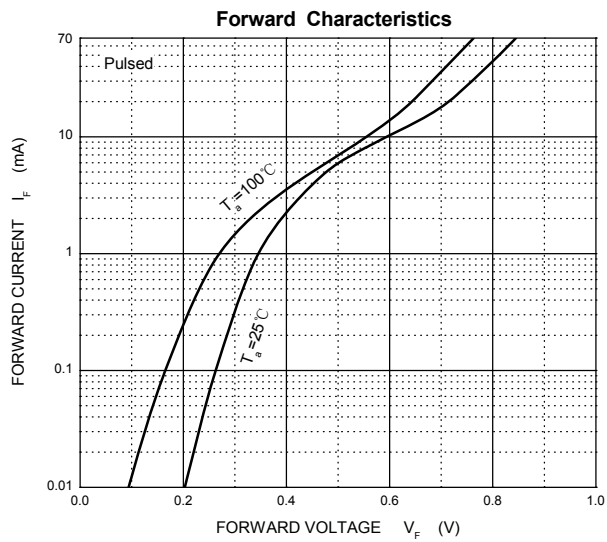
Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V _{RRM}		
Working Peak Reverse Voltage	V _{RWM}	70	V
DC Blocking Voltage	V _R		
Forward Continuous Current	I _F	70	mA
Non-repetitive Peak Forward Surge Current @ t=8.3ms	I _{FSM}	100	mA
Power Dissipation	P _D	200	mW
Thermal Resistance from Junction to Ambient	R _{θJA}	500	°C/W
Junction Temperature	T _j	125	°C
Storage Temperature	T _{stg}	-55~+125	°C

ELECTRICAL CHARACTERISTICS(T_A = 25°C unless otherwise noted)

Parameter	Symbol	Min	Typ	Max	Unit	Test conditions
Reverse voltage	V _(BR)	70			V	I _R =10μA
Forward voltage	V _F			0.41	V	I _F =1mA
				1.0	V	I _F =15mA
Reverse current	I _R			0.1	μA	V _R =50V
Diode capacitance	C _D			2	pF	V _R =0V, f=1MHz
Reverse recovery time	t _{rr}			5	ns	I _F =I _R =10mA, I _{RR} =0.1X I _R , R _L =100Ω

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Typical Characteristics

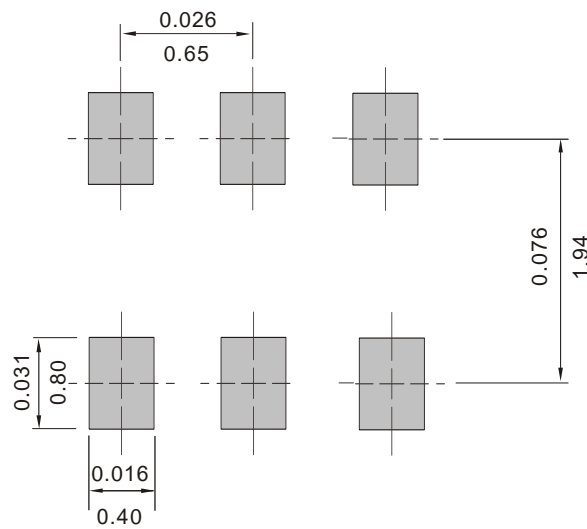


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MOUNTING PAD LAYOUT

SOT-363

Unit:Inch(mm)



ORDER INFORMATION

- Packing information

Part Number	Case	Reel Size	QUANTITY
BAS70TW/DW-04/DW-05/DW-06/BRW	SOT-363	7 Inch	3000