





Features

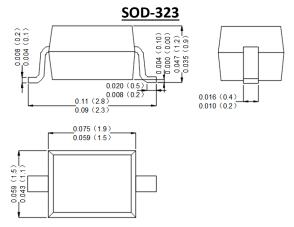
- For use in low voltage.
- High conductance.
- For linear amplification .
- Available in lead free version.

Mechanical Data

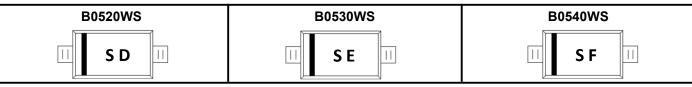
- Case:Molded Plastic,SOD-323.
- Epoxy:UL 94V-0 rate flame retardant
- Terminals:Plated Leads Solderable per

MIL-STD-750, Method-2026.

- Marking:on body..
- Mounting Position : Any.



Dimensions in inches and (millimeters)



Maximum Ratings (Rating at 25℃ ambient temperature unless otherwise specified.)

Characteristic	Symbol	B0520WS	B0530WS	B0540WS	Unit
Non-repetitive Peak Reverse Voltage	V _{RM}	20 30		40	V
Reverse Voltage	V _R	20	30	40	V
RMS Reverse Voltage	$V_{R\;(RMS)}$	14	21	28	
Forward Continuous Current	I _F		Α		
Peak Forward Surge Current@ t _P = 8.3ms	I _{FSM}		Α		
Power Dissipation	P _D		mW		
Thermal Resistance Junction to Ambient Air	R _{0JA}		°C/W		
Operating Temperature Range,	Tj		$^{\circ}$ C		
Storage Temperature Range	T _{STG}		$^{\circ}$ C		
Voltage Rate Of Change	d _v /d _⊤		V/µs		

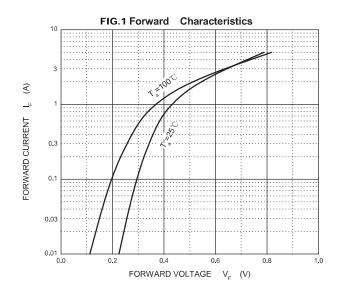
Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified.)

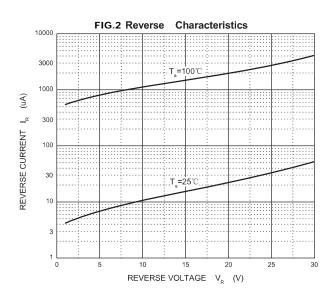
Characteristic	Symbol	Conditions	B0520WS	B0530WS	B0540WS	Unit
Minimum Reverse Breakdown Voltage	V_{BR}	I _R =250uA	20			V
		I _R =130uA		30		
		I _R =20uA			40	
Maximum Forward Voltage	V _F	I _F =0.1A	0.33	0.36		V
		I _F =0.5A	0.39	0.45	0.51	
		I _F =1A			0.62	
Maximum Reverse Current	I _R	V _R =20V	250		10	uA
		V _R =30V		130		
		V _R =40V			20	
Diode Capacitance	C _D	V _R =0V,f=1MHz	170	170	170	pF

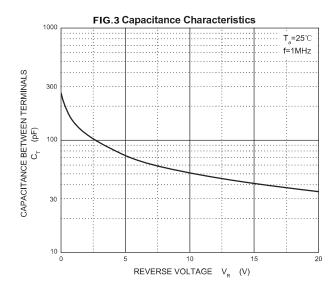
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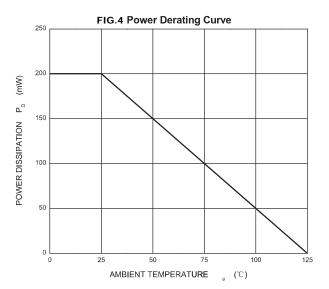


Electrical Characteristics Ta = 25℃unless otherwise specified









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Schottky Barrier Diode

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