Silicon Epitaxial Planar Diode

multicomp PRO

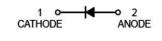


Features:

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- High Conductance

Applications:

Surface mount fast switching diode





SOD-323

Max. Rating @ T_A = 25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
Repetitive peak reverse voltage	Vrrm	200	V
Working peak reverse voltage DC reverse voltage	Vrms Vr	150	V
RMS reverse voltage	Vr(rms)	106	V
Forward continuous current	lfм	400	mA
Average rectified output current	lo	200	mA
Non-Repetitive peak forward surge current @t=1µs @t=1s	IFSM	2.5 0.5	mA
Repetitive peak forward surge current	Ifrm	625	mA
Power dissipation	PD	200	mW
Thermal resistance junction to ambient air	Reja	625	°C/W
Operating and storage temperature range	Т _{ј,} Тѕтс	-65 to +150	°C

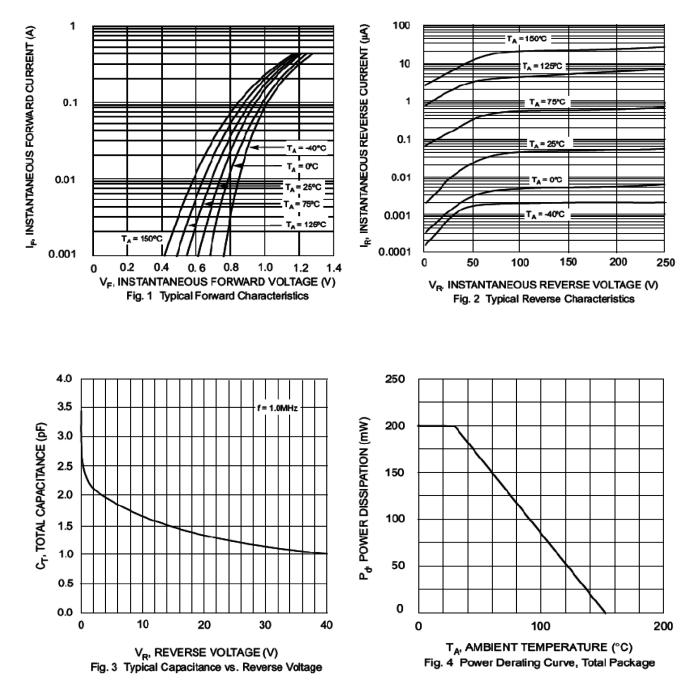
Electrical Characteristics @ T_A = 25°C unless otherwise specified

Parameter	Symbol	Conditions	Min.	Max.	Unit
Forward voltage	Vfm	IF = 100mA IF = 200mA	-	1 1.25	V
Reverse current	lr	VR = 150V	-	0.1	μA
Capacitance between terminals	Ст	VR = 0V, f = 1MHz	-	5	pF
Reverse recovery time	trr	IF = IR = 30mA, Irr = 0.1 × IR, RL = 100Ω	-	50	ns

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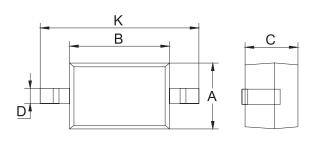


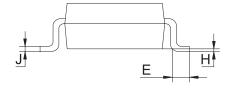
Typical Characteristics @ T_A = 25°C unless otherwise specified

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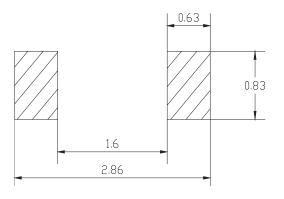
Plastic surface mounted package





	SOD-323		
Dim	Min	Max	
А	1.275	1.325	
В	1.675	1.725	
С	0.9 Typical		
D	0.25	0.35	
Е	0.27	0.37	
Н	0.02	0.1	
J	0.1 Typical		
K	2.6	2.7	
All Dimensions in mm			

Soldering Footprint



Unit : mm

Package Information

Device	Package	Shipping
BAV20WS-7-F	SOD-323	3,000 / Tape & Reel

Part Number Table

Description	Part Number
Silicon Epitaxial Planar Diode	BAV20WS-7-F

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