

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Guard Ring Construction for Transient Protection
- Negligible Reverse recovery time
- Low Reverse Capacitance and Low Forward Voltage Drop
- Marking : SD103AWS: S4 ,SD103BWS: S5 , SD103CWS: S6
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

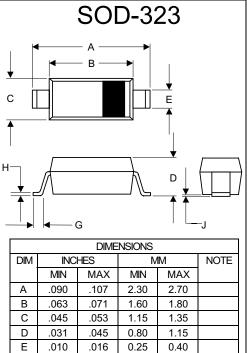
- Operating Temperature: -65℃ to +125℃
- Storage Temperature: -65℃ to +125℃
- Maximum Thermal Resistance; 300°C/W Junction to Ambient

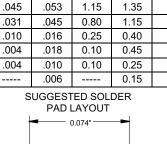
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MCC Red Part Number Peak		ximum current Reverse oltage	Maximum RMS Voltage		Maximum DC Blocking Voltage	
SD103AWS		40V	28V		40V	
SD103BWS	3BWS		21V		30V	
SD103CWS		20V	14V		20V	
lectrical Characteristics @ 25 $_{\mathbb{C}}$ Unless Otherwise Specified						
Average Forward Current		I _{F(AV)}	350mA	Note 1		
Peak Forward Surge Current		I _{FSM}	1.5A	t≦1.0s		
Maximum Power Dissipation		PD	200mW	Note 1		
Maximum Instantaneous Forward Voltage		V _F	0.37V 0.60V	I _{FM} = 20mA I _{FM} = 200mA		
Maximum DC Reverse Current At Rated DC Blocking Voltage		I _R	5.0µA	$V_{R} = 30V (AWS)$ $V_{R} = 20V (BWS)$ $V_{R} = 10V (CWS)$		
Typical Junction Capacitance		Cj	50pF	Measured at 1.0MHz, V _R =0V		
Typical Reverse Recovery Time		t _{rr}	10ns	$I_{\rm F} = I_{\rm R} = 200 {\rm mA}$ $I_{\rm rr} = 0.1 \times I_{\rm R} R_{\rm I} = 100 {\rm \Omega}$		

Note: 1.Valid provided that electrodes are kept at ambient Temperature

SD103AWS THRU SD103CWS

400mW Small Signal Schottky Diode 20 to 40 Volts





0.027

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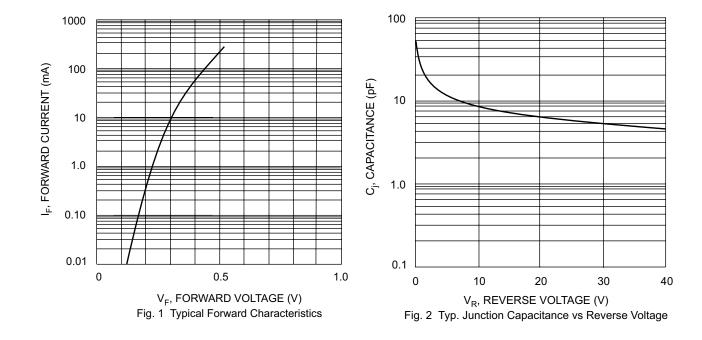
Revision: A

2011/01/01

0.022"

SD103AWS thru SD103CWS





www.mccsemi.com



Ordering Information :

Device	Packing			
Part Number-TP	Tape&Reel: 3Kpcs/Reel			

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