

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)
 Extremely Low Thermal Resistance
- For Surface Mount Application and High Current Capability
- Higher Temp Soldering: 260°C for 10 Seconds At Terminals
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: 5°C/W Junction to Lead

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
B0530WS	3 / SE	30V	21V	30V

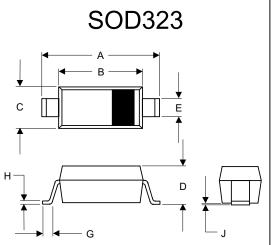
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	0.5A	T _J =90°C
Peak Forward Surge Current	I _{FSM}	5A	8.3ms half sine
Maximum Instantaneous Forward Voltage	V _F	0.55V	I _{FM} =0.5A T _J =25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	0.3mA	T _A =25°C
Typical Junction Capacitance	CJ	30pF	Measured at 1.0MHz, V _R =4.0V
Power Dissipation	P₀	250mW	

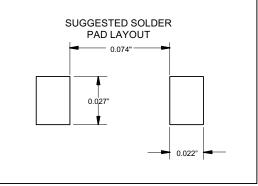
B0530WS

0.5 Amp Schottky Rectifier

30 Volts



DIMENSIONS						
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX		
Α	.090	.113	2.30	2.88		
В	.063	.071	1.60	1.80		
С	.045	.053	1.15	1.35		
D	.031	.049	0.80	1.24		
Е	.010	.016	0.25	0.40		
G	.004	.018	0.10	0.45		
Н	.004	.010	0.10	0.25		
J		.006		0.15		



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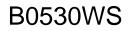
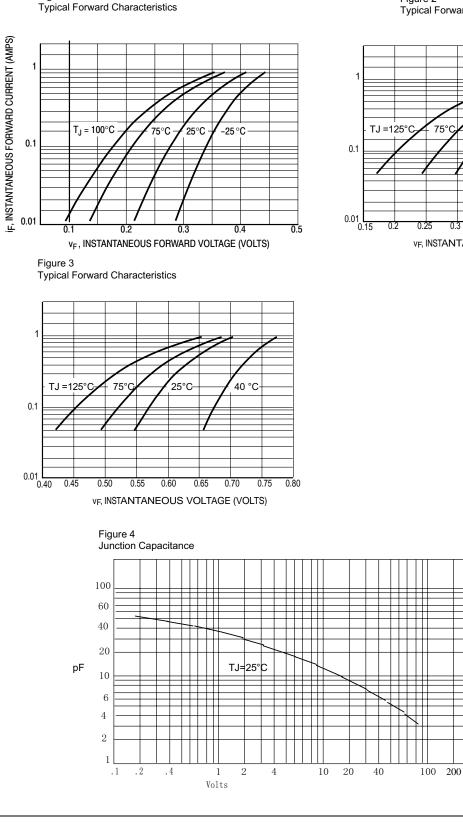


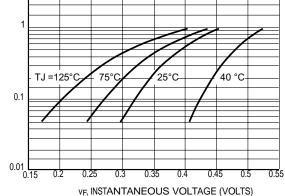
Figure 1



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Figure 2 Typical Forward Characteristics

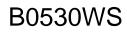




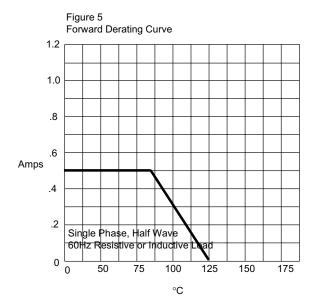
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400

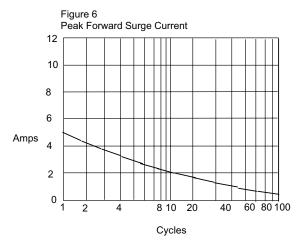
1000







Average Forward Rectified Current - Amperes/ersus Ambient Temperature $\ -^{\circ}C$



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles





Ordering Information :

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

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