



Micro Commercial Components



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S2B40

Features

- Surface Mount Package
- Full wave bridge rectifier
- Utilizing glass passivated chips
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- 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

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
S2B40	2B40	40V	28V	40V

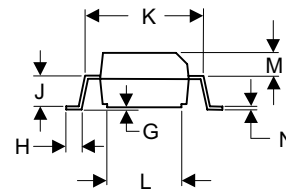
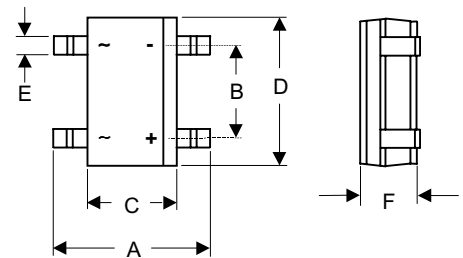
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I_o	2.0 A	
Peak Forward Surge Current	I_{FSM}	30A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	0.55V	$I_F = 2.0A;$
Reverse Current	I_R	50µA 20mA	$V_R=40V$ $V_R=40V, T_A = 125^\circ C$
Power Dissipation	P_D	1.2W	
Typical Thermal Resistance	$R_{\theta JA}$	85°C/W	
Typical Junction Capacitance	C_J	250pF	$f=1.0MHz, V_R=4.0V$

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

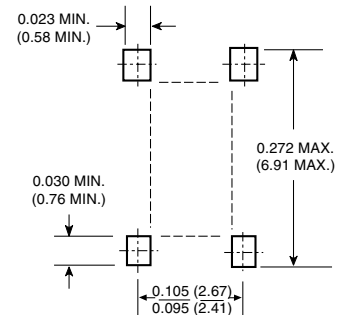
2 Amp Schottky Bridge Rectifier

MBS -1



DIM	DIMENSIONS				NOTE
	INC HES		MM		
	MIN	MAX	MIN	MAX	
A	.252	.272	6.40	6.90	
B	.095	.105	2.41	2.67	
C	.144	.161	3.65	4.10	
D	.179	.195	4.55	4.95	
E	.017	.029	0.43	0.74	
F	.090	.106	2.30	2.70	
G	.004	.008	0.10	0.20	
H	.019	.038	0.48	0.96	
J	.058	.062	1.47	1.57	
K	.195	.205	4.95	5.21	
L	.110	.114	2.80	2.90	
M	.039	.049	0.99	1.24	
N	.006	.016	0.15	0.41	

Mounting Pad Layout



Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel

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