

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth

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Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- For Surface Mount Applications
- Extremely Low Thermal Resistance
- High Temp Soldering: 260°C for 10 Seconds At Terminals
- Perfect For Ballast, Television And Monitor Applications

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 15°C/W Junction To Lead

MCC		Maximum	Maximum	Maximum
Part	Device	Recurrent	RMS	DC
Number	Marking	Peak Reverse	Voltage	Blocking
	_	Voltage		Voltage
S1Q	S1Q	1200V	840V	1200V
S1V	S1V	1400V	980V	1400V
S1Y	S1Y	1600V	1120V	1600V
S1Z	S1Z	1800V	1260V	1800V
S1ZZ	S1ZZ	2000V	1400V	2000V

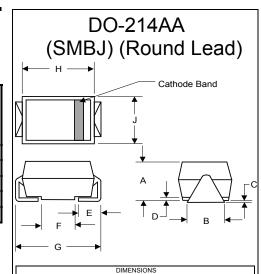
lectrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward	I _{F(AV)}	1.0A	$T_J = 75^{\circ}C$
Current			
Peak Forward Surge	I _{FSM}	30A	8.3ms, half sine
Current			
Maximum			
Instantaneous			
Forward Voltage			
	V_{F}	1.10V	$I_{FM} = 1.0A;$
			$T_J = 25^{\circ}C^*$
Maximum DC			
Reverse Current At	I_R	10.0μΑ	$T_J = 25^{\circ}C$
Rated DC Blocking		500μΑ	$T_{J} = 125^{\circ}C$
Voltage		,	
Maximum Reverse			
Recovery Time			
	T _{rr}	2.5us	$I_F=0.5A, I_R=1.0A,$
			I _{rr} =0.25A
Typical Junction	C J	15pF	Measured at
Capacitance		•	1.0MHz, V _R =4.0V

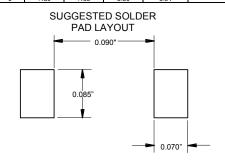
^{*}Pulse test: Pulse width 300 µsec, Duty cycle 2%

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

1 Amp Silicon Rectifier 1200 to 2000 Volts



	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.078	.116	1.98	2.95	
В	.075	.089	1.90	2.25	
С	.002	.008	.05	.20	
D		.02		.51	
E	.035	.055	.90	1.40	
F	.065	.091	1.65	2.32	
G	.205	.224	5.21	5.69	
Н	.160	.180	4.06	4.57	
J	.130	.155	3.30	3.94	





Ordering Information:

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

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