

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939 S1Q THRU S1ZZ

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

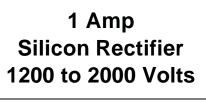
Maximum Ratings

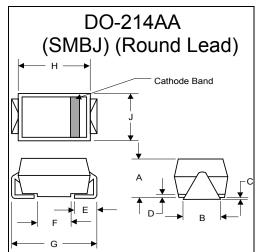
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 15℃/W Junction To Lead

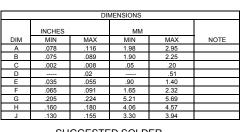
MCC		Maximum Maximum		Maximum		
Part	Device	Recurrent RMS		DC		
Number	Marking	Peak Reverse	Voltage	Blocking		
	_	Voltage	_	Voltage		
S1Q	S1Q	1200V	840V	1200V		
S1V	S1V	1400V	980V	1400V		
S1Y	S1Y	1600V	1120V	1600V		
S1Z	S1Z	1800V	1260V	1800V		
S1ZZ	S1ZZ	2000V	1400V	2000V		

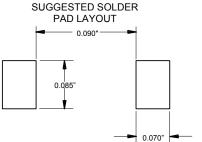
lectrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	1.0A	T _J = 75°C
Current			
Peak Forward Surge	I _{FSM}	30A	8.3ms, half sine
Current	1 0111		
Maximum			
Instantaneous			
Forward Voltage			
	VF	1.10V	I _{FM} = 1.0A;
	۷F	1.100	
			$T_J = 25^{\circ}C^*$
Maximum DC			
Reverse Current At	I _R	10.0μA	T ₁ = 25°C
	۰ĸ	•	$T_{\rm J} = 125^{\circ}{\rm C}$
Rated DC Blocking		500μΑ	$I_{\rm J} = 125^{\circ}{\rm C}$
Voltage			
Maximum Reverse			
Recovery Time			
	-	0.5	
	Trr	2.5u s	l⊧=0.5A, l _R =1.0A,
			I _{rr} =0.25A
Typical Junction	C.	15pF	Measured at
Capacitance	50	P .	1.0MHz, V_{R} =4.0V
Capacitance			$1.00012, V_{R}-4.0V$









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

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

www.mccsemi.com



Ordering Information :

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

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