



Micro Commercial Components

Micro Commercial Components  
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# CMP SH-3/3A/3C/3S

## Features

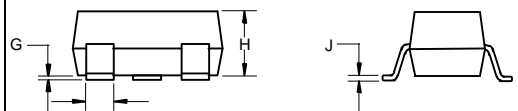
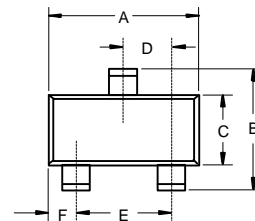
- Low Current Leakage
- For Surface Mount Applications
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0

**350mW 30Volt  
 Switching Diode**

## Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

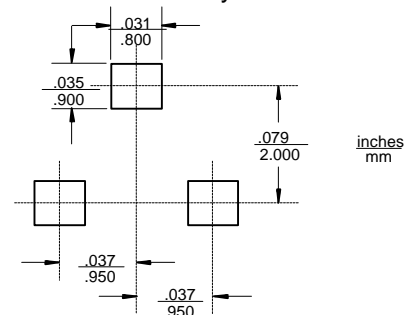
## SOT-23



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.110	.120	2.80	3.04	
B	.083	.098	2.10	2.64	
C	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
E	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
H	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

## Suggested Solder Pad Layout

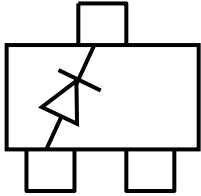


## Electrical Characteristics @ 25°C Unless Otherwise Specified

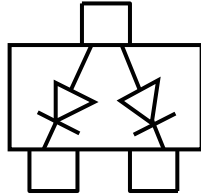
Reverse Voltage	$V_R$	30V	
Average Rectified Current	$I_O$	100mA	
Power Dissipation	$P_{TOT}$	350mW	
Maximum Instantaneous Forward Voltage	$V_F$	0.33V 0.45V 1.0V	$I_{FM} = 2mA;$ $I_{FM} = 15mA;$ $I_{FM} = 100mA;$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	500nA 100µA	$V_R = 25Volts$ $T_J = 25^\circ C$ $T_J = 100^\circ C$
Typical Junction Capacitance	$C_J$	4pF	Measured at 1.0MHz, $V_R = 0V$
Reverse Recovery Time	$T_{rr}$	4nS	$I_F = I_R = 10mA$ $I_{RR} = 1.0mA$ $R_L = 100\Omega$

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

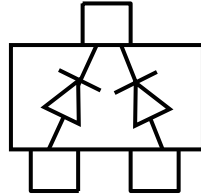
# CMP SH-3/3A/3C/3S



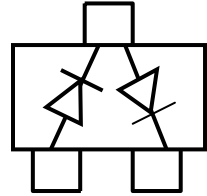
CMP SH-3 Marking: D95



CMP SH-3A Marking: DB1



CMP SH-3C Marking: DB2



CMP SH-3S Marking: DA5



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