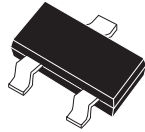


**CMP SH-3  
CMP SH-3A  
CMP SH-3C  
CMP SH-3S**

**SCHOTTKY DIODES**



**SOT-23 CASE**

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CMP SH-3 Series types are Silicon Schottky diodes designed for surface mount fast switching applications requiring a low forward voltage drop.

The following configurations are available:

CMP SH-3	SINGLE	<b>MARKING CODE: D95</b>
CMP SH-3A	DUAL, COMMON ANODE	<b>MARKING CODE: DB1</b>
CMP SH-3C	DUAL, COMMON CATHODE	<b>MARKING CODE: DB2</b>
CMP SH-3S	DUAL, IN SERIES	<b>MARKING CODE: DA5</b>

**MAXIMUM RATINGS** ( $T_A=25^{\circ}\text{C}$ )

	<b>SYMBOL</b>		<b>UNITS</b>
Peak Repetitive Reverse Voltage	$V_{RRM}$	30	V
Continuous Forward Current	$I_F$	100	mA
Peak Repetitive Forward Current	$I_{FRM}$	350	mA
Forward Surge Current, $t_p=10$ ms	$I_{FSM}$	750	mA
Power Dissipation	$P_D$	350	mW
Operating and Storage	$T_J, T_{stg}$	-65 to +150	$^{\circ}\text{C}$
Junction Temperature	$\Theta_{JA}$	357	$^{\circ}\text{C}/\text{W}$
Thermal Resistance			

**ELECTRICAL CHARACTERISTICS** ( $T_A=25^{\circ}\text{C}$  unless otherwise noted)

<b>SYMBOL</b>	<b>TEST CONDITIONS</b>	<b>MIN</b>	<b>TYP</b>	<b>MAX</b>	<b>UNITS</b>
$B_{VR}$	$I_R=100\mu\text{A}$	30			V
$V_F$	$I_F=2.0\text{mA}$		0.29	0.33	V
$V_F$	$I_F=15\text{mA}$		0.40	0.45	V
$V_F$	$I_F=100\text{mA}$		0.74	1.00	V
$I_R$	$V_R=25\text{V}$		90	500	nA
$I_R$	$V_R=25\text{V}, T_A=100^{\circ}\text{C}$		25	100	$\mu\text{A}$
$C_T$	$V_R=1.0\text{V}, f=1$ MHz		7.0		pF
$t_{rr}$	$I_F=I_R=10\text{mA}, I_{rr}=1.0\text{mA}, R_L=100\Omega$			5.0	ns

All dimensions in inches (mm).

