

CMPH-3
CMPH-3A
CMPH-3C
CMPH-3S

**SURFACE MOUNT
SILICON SCHOTTKY DIODES**



SOT-23 CASE



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMPH-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:

CMPH-3 SINGLE
CMPH-3A DUAL, COMMON ANODE
CMPH-3C DUAL, COMMON CATHODE
CMPH-3S DUAL, IN SERIES

MARKING CODE: D95
MARKING CODE: DB1
MARKING CODE: DB2
MARKING CODE: DA5

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

Peak Repetitive Reverse Voltage

Continuous Forward Current

Peak Repetitive Forward Current

Peak Forward Surge Current, $t_p=10\text{ms}$

Power Dissipation

Operating and Storage Junction Temperature

Thermal Resistance

SYMBOL

V_{RRM}

I_F

I_{FRM}

I_{FSM}

P_D

T_J, T_{stg}

θ_{JA}

30

100

350

750

350

-65 to +150

357

UNITS

V

mA

mA

mA

mW

$^{\circ}\text{C}$

$^{\circ}\text{C/W}$

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

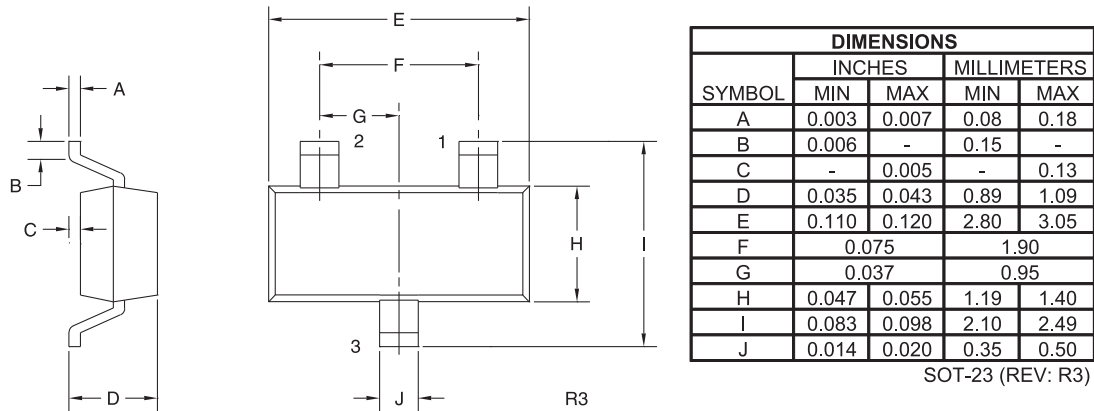
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I_R	$V_R=25\text{V}$		90	500	nA
I_R	$V_R=25\text{V}, T_A=100^{\circ}\text{C}$		25	100	μA
BV_R	$I_R=100\mu\text{A}$	30			V
V_F	$I_F=2.0\text{mA}$		0.29	0.33	V
V_F	$I_F=15\text{mA}$		0.40	0.45	V
V_F	$I_F=100\text{mA}$		0.74	1.00	V
C_T	$V_R=1.0\text{V}, f=1.0\text{MHz}$		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

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

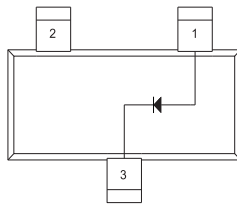
SURFACE MOUNT
SILICON SCHOTTKY DIODES



SOT-23 CASE - MECHANICAL OUTLINE



PIN CONFIGURATIONS

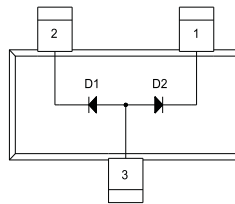


CMP SH-3

LEAD CODE:

- 1) Anode
- 2) No Connection
- 3) Cathode

MARKING CODE: D95

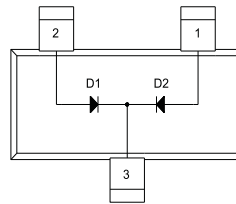


CMP SH-3A

LEAD CODE:

- 1) Cathode D2
- 2) Cathode D1
- 3) Anode D1, D2

MARKING CODE: DB1

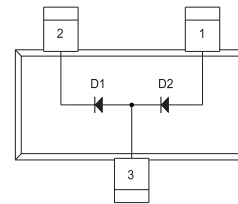


CMP SH-3C

LEAD CODE:

- 1) Anode D2
- 2) Anode D1
- 3) Cathode D1, D2

MARKING CODE: DB2



CMP SH-3S

LEAD CODE:

- 1) Anode D2
- 2) Cathode D1
- 3) Anode D1, Cathode D2

MARKING CODE: DA5

R6 (27-January 2010)

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com