

The following configurations are available:

CMPD1001 CMPD1001S CMPD1001A	SINGLE DUAL, IN SERIES DUAL, COMMON ANODE	MARKING CODE: MARKING CODE: MARKING CODE:	L21
MAXIMUM RATINGS: (T _A =25°C)	SYMBOL		UNITS
Continuous Reverse Voltage	V _R	90	V
Continuous Forward Current	١ _E	250	mA
Peak Repetitive Forward Current	IFRM	600	mA
Peak Repetitive Reverse Current	IRRM	600	mA
Forward Surge Current, tp=1.0 µs	IFSM	6.0	А
Forward Surge Current, tp=1.0 s	IFSM	1.0	А
Power Dissipation	PD	350	mW
Operating and Storage			
Junction Temperature	T _J , T _{stg}	-65 to +150	°C
Thermal Resistance	Θ _{JA}	357	°C/W

ELECTRIC/ SYMBOL	AL CHARACTERISTICS PER DIODE: TEST CONDITIONS	(T _A =25°C unless otherwise noted) MIN	MAX	UNITS
BVR	I _R =100μA	90		V
I _R	V _R =90V		100	nA
I _R	V _R =90V, T _A =150°C		100	μA
V _F	I _F =10mA		0.75	V
V _F	I _F =50mA		0.84	V
٧ _F	I _F =100mA		0.90	V
V _F	I _F =200mA		1.00	V
V _F	I _F =400mA		1.25	V
CT	V _R =0V, f=1.0 MHz		35	pF
t _{rr}	$I_R=I_F=30$ mA, Rec. to 3.0mA, $R_L=100$	Ω	50	ns



DESCRIPTION:

The Central Semiconductor CMPD1001 series types are silicon switching diodes manufactured by the epitaxial planar process, designed for applications requiring high current capability.

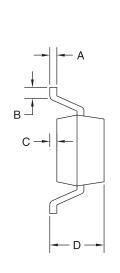
R4 (13-November 2002)

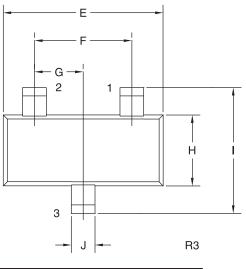


CMPD1001 CMPD1001A CMPD1001S

HIGH CURRENT SWITCHING DIODE

SOT-23 CASE - MECHANICAL OUTLINE

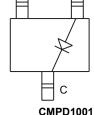




DIMENSIONS						
	INCHES		MILLIMETERS			
SYMBOL	MIN	MAX	MIN	MAX		
Α	0.003	0.007	0.08	0.18		
В	0.006	-	0.15	-		
С	-	0.005	-	0.13		
D	0.035	0.043	0.89	1.09		
E	0.110	0.120	2.80	3.05		
F	0.075		1.90			
G	0.037		0.95			
Н	0.047	0.055	1.19	1.40		
	0.083	0.098	2.10	2.49		
J	0.014	0.020	0.35	0.50		
SOT-23 (REV: R3)						

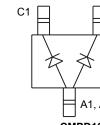
A2

NO CONNECTION



CMPD1001 MARKING CODE: L20

А

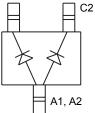


CMPD1001S MARKING CODE: L21

A1, C2

C1 [

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CMPD1001A MARKING CODE: L22