

The following configurations are available:

CMPD5001 CMPD5001		SINGLE DUAL, IN SERIES	MARKING CODE: MARKING CODE:					
MAXIMUM F	RATINGS	: (T _A =25°C)	SYMBOL		UNITS			
Continuous F	Reverse \	/oltage	VR	120	V			
Continuous Forward Current			١ _F	400	mA			
Peak Repetit	tive Forwa	ard Current	^I FRM	800	mA			
Peak Repetit	tive Reve	rse Current	IRRM	600	mA			
Forward Sur	ge Currer	nt, tp=1.0µs	^I FSM	6.0	А			
Forward Sur	ge Currer	nt, tp=1.0s	^I FSM	1.5	А			
Forward Surge Current, tp=1.0s Power Dissipation Operating and Storage Junction Temperature Thermal Resistance		PD	350	mW				
Operating and Storage Junction Temperature			T _J , T _{stg}	-65 to +150	°C			
Thermal Resistance			Θ_{JA}	357	°C/W			
ELECTRICAL CHARACTERISTICS PER DIODE: (T _A =25°C unless otherwise noted)								
SYMBOL		ONDITIONS	MIN	MAX	UNITS			
вv _R	I _R =50μ/	Ą	120	325	V			
I _R	V _R =90∖	/		100	nA			
I _R	V _R =90∖	∕, T _A =150°C		100	μA			
VF	I _F =10m	A		0.75	V			
VF	I _F =50m	A		0.84	V			
VF	I _F =100n	nA		0.90	V			
VF	I _F =200n	nA		1.00	V			
V _F	I _F =400n	nA		1.25	V			
CT	V _R =0V,	f=1.0 MHz		35	pF			
t _{rr}	I _R =I _F =3	0mA, Rec. to 3.0mA, R _L =1	00Ω	60	ns			
t _{rr}	IR=IF=1	0mA, Rec. to 3.0mA, R _L =1	Ω00	50	ns			



Description:

The Central Semiconductor CMPD5001 series types are silicon switching diodes manufactured by the epitaxial planar process, designed for switching applications requiring extremely high current capability.

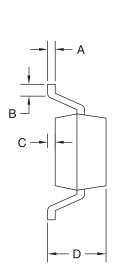
R3 (23-June 2008)

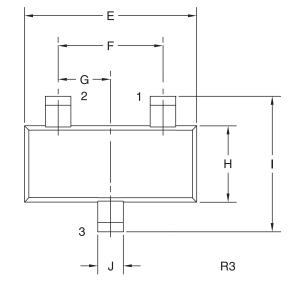


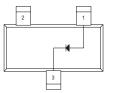
CMPD5001 CMPD5001S

SURFACE MOUNT HIGH CURRENT INDUCTIVE LOAD SILICON SWITCHING DIODE

SOT-23 CASE - MECHANICAL OUTLINE



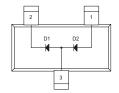




LEAD CODE:

- CMPD5001 1) Anode
- 2) No Connection3) Cathode

MARKING CODE: DA2



LEAD CODE: CMPD5001S 1) Anode D2 2) Cathode D1 3) Anode D1, Cathode D2

MARKING CODE: D49

DIMENSIONS							
	INCHES		MILLIMETERS				
SYMBOL	MIN	MAX	MIN	MAX			
А	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			
SUL 33 (DE//: D3)							

SOT-23 (REV: R3)

R3 (23-June 2008)