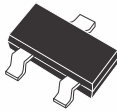


[查询CMPD4150供应商](#)

[捷多邦, 专业PCB打样工厂, 24小时加急出货](#)

CMPD4150

**HIGH CURRENT
HIGH SPEED
SWITCHING DIODE**



SOT-23 CASE

Central Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMPD4150 type is an ultra-high speed silicon switching diode manufactured by the epitaxial planar process, in an epoxy molded surface mount package, designed for high speed switching applications.

Marking code is ABA.

MAXIMUM RATINGS (T_A=25°C)

	SYMBOL		UNITS
Continuous Reverse Voltage	V _R	50	V
Peak Repetitive Reverse Voltage	V _R RM	50	V
Continuous Forward Current	I _F	250	mA
Peak Repetitive Forward Current	I _{FRM}	250	mA
Forward Surge Current, tp=1 μsec.	I _{FSM}	4000	mA
Forward Surge Current, tp=1 sec.	I _{FSM}	1000	mA
Power Dissipation	P _D	350	mW
Operating and Storage Junction Temperature	T _J , T _{stg}	-65 to +150	°C
Thermal Resistance	θ _{JA}	357	°C/W

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I _R	V _R =50V		100	nA
V _F	I _F =1.0mA	0.54	0.62	V
V _F	I _F =10mA	0.66	0.74	V
V _F	I _F =50mA	0.76	0.86	V
V _F	I _F =100mA	0.82	0.92	V
V _F	I _F =200mA	0.87	1.0	V
C _T	V _R =0, f=1 MHz		4.0	pF
t _{rr}	I _R =I _F =10mA, R _L =100Ω, Rec. to 1.0mA		4.0	ns



All dimensions in inches (mm).

