

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CMPD200
CMPD300
CMPD400

FORWARD REFERENCE DIODE
(STABISTOR)
JEDEC DO-35 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR CMPD200 series types are multi-chip silicon diodes mounted in a JEDEC DO-35 case. These devices are designed for applications requiring controlled forward voltage characteristics such as voltage regulation, sensing, and comparing. This series is a direct replacement for the MPD200, MPD300, and MPD400 respectively.

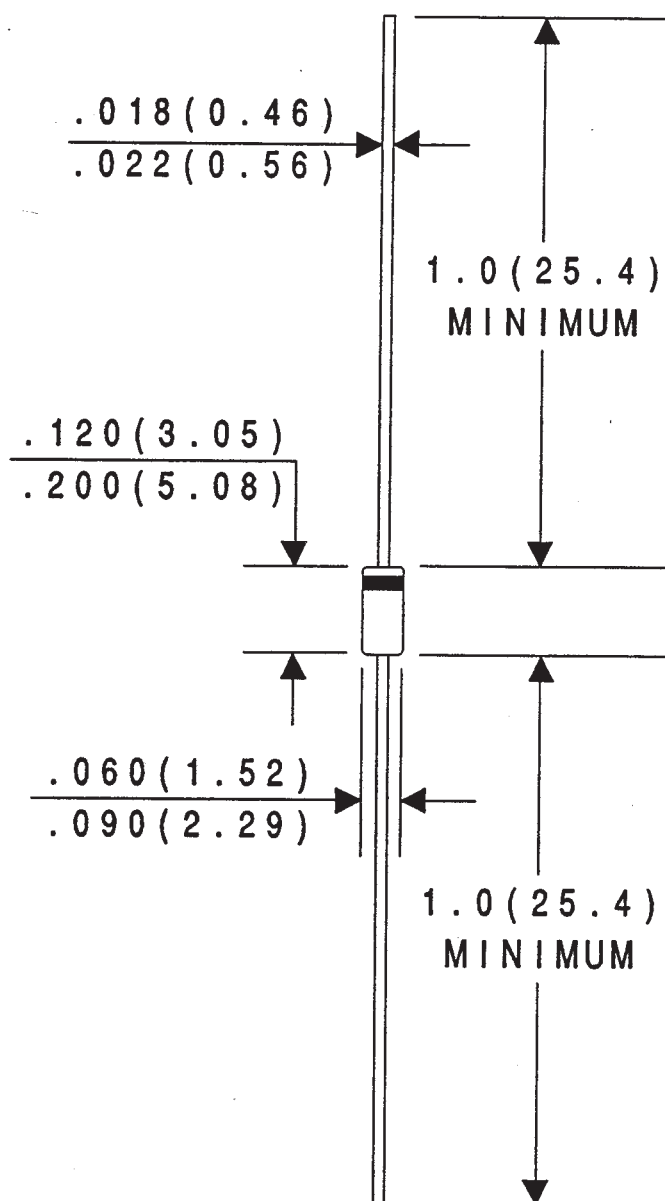
MAXIMUM RATINGS (T_A=25°C)

	SYMBOL		UNITS
Power Dissipation	P _D	400	mW
Operating and Storage Junction Temperature	T _J , T _{STG}	-65 to + 150	°C

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

SYMBOL	TEST CONDITIONS	CMPD200		CMPD300		CMPD400		UNITS
		MIN	MAX	MIN	MAX	MIN	MAX	
I _R	V _R =30V		300		300		300	nA
BV _R	I _R =5.0μA	30		60		90		V
V _F	I _F =10μA	0.90	1.00	1.40	1.54	1.82	2.01	V
V _F	I _F =100μA	1.05	1.16	1.62	1.78	2.14	2.36	V
V _F	I _F =1.0mA	1.22	1.34	1.84	2.03	2.47	2.71	V
V _F	I _F =10mA	1.39	1.54	2.10	2.33	2.80	3.07	V
V _F	I _F =100mA	1.60	1.76	2.40	2.65	3.16	3.49	V

JEDEC DO-35 CASE - MECHANICAL OUTLINE



All Dimensions in Inches (mm).