

# Silicon Epitaxial Planar Diode **multicomp**PRO

RoHS  
Compliant



## Features

- High Voltage Switching Diodes

## Absolute Maximum Ratings ( $T_a=25^{\circ}\text{C}$ unless specified otherwise)

Description	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	$V_{RRM}$	250	V
Reverse Voltage (Continuous)	$V_R$	200	V
Continuous Forward Current	$I_F$	250	mA
Repetitive Peak Forward Current	$I_{FRM}$	625	mA
Non Repetitive Peak Surge Current	$I_{FSM}$	1	A
at t = 1 s		3	A
at t = 100 $\mu\text{s}$		9	A
at t = 1 $\mu\text{s}$			
Total Power Dissipation	$P_{TOT}$	500	mW
Junction Temperature	$T_J$	175	$^{\circ}\text{C}$
Storage Junction Temperature Range	$T_J, T_{STG}$	-65 to +175	$^{\circ}\text{C}$

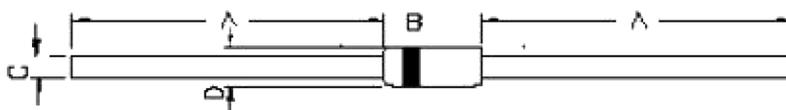
## Electrical Characteristics ( $T_a=25^{\circ}\text{C}$ unless specified otherwise)

Description	Symbol	Test Condition	Value	Unit
Forward Voltage	$V_F$	$I_F=100\text{mA}$	<1	V
		$I_F=200\text{mA}$	<1.25	V
Reverse Current	$I_R$	$V_R=V_R$ (Continuous)	<100	nA
		$V_R=V_R$ (Continuous), $T_A=150^{\circ}\text{C}$	<100	$\mu\text{A}$
Breakdown Voltage	$V_{BR}$	$I_R=100\text{A}$	>250	V
Diode Capacitance	$C_d$	$V_R = 0\text{V}$ , $f = 1\text{MHz}$	< 5	pF
Reverse Recovery Time	$t_{rr}$	$I_F=I_R=30\text{mA}$ , $I_{rr} = 3\text{mA}$ , $R_L=100\Omega$	< 50	ns

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## DO-35 (DO-204AH) Package Outline And Dimensions

### DO-35 (DO-204AH) Glass Axial Package



Cathode is marked by a Band

Dim	Min (mm)	Max (mm)
A	27.5	-
B	-	3.9
C	-	0.5
D	-	1.9

### Part Number Table

Description	Part Number
Axial Diode, 250V, 250mA, 500mW, DO-35	CD286

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