

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 $t = 1\text{ s}$		3	A
at $t = 100\text{ }\mu\text{s}$		9	A
at $t = 1\text{ }\mu\text{s}$			
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	$^{\circ}\text{C}$

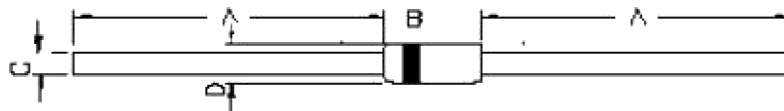
Electrical Characteristics ($T_a=25^{\circ}\text{C}$ unless specified otherwise)

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	μA
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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