



Micro Commercial Components

Micro Commercial Components  
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## DR251 THRU DR256

### Features

- Low Leakage
- Low Forward Voltage Drop
- High Current Capability
- High Forward Surge Current Capability

### Maximum Ratings

- Operating Temperature: -65°C to +175°C
- Storage Temperature: -65°C to +175°C

MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
DR251	100V	70V	100V
DR252	200V	140V	200V
DR253	300V	210V	300V
DR254	400V	280V	400V
DR256	600V	420V	600V

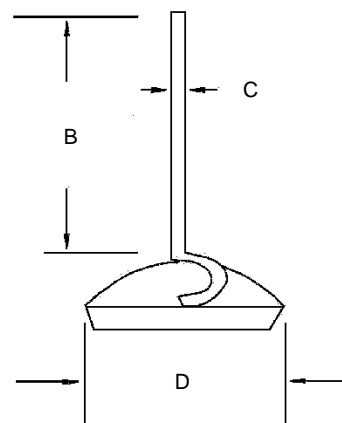
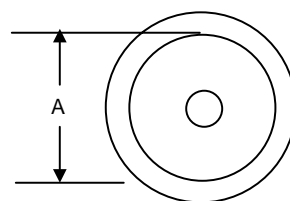
### Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	25A	$T_C = 105^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	400A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	$V_F$	1.15V	$I_{FM} = 80\text{A}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	5 $\mu\text{A}$ 350 $\mu\text{A}$	$T_A = 25^\circ\text{C}$ $T_C = 100^\circ\text{C}$
Rating for Fusing	$I^2t$	664 A <sup>2</sup> S	$t < 8.3\text{ms}$
Typical Thermal Resistance	$R_{\theta JC}$	1.0°C/W	Note 1

Note 1: at 0.5" (12.7) lead length(P.C.B. mounted)

## 25 Amp Automotive Rectifier 100 to 600 Volts

### DR25/35



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	---	5.500	---	33.00	
B	.710	.780	18.00	20.00	
C	.057	.065	1.45	1.65	
D	.370	.390	9.50	9.90	

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