



Micro Commercial Components

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 20736 Marilla Street Chatsworth  
 CA 91311  
 Phone: (818) 701-4933  
 Fax: (818) 701-4939

# DR351 THRU DR356

## 35 Amp Automotive Rectifier 100 to 600 Volts

### 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

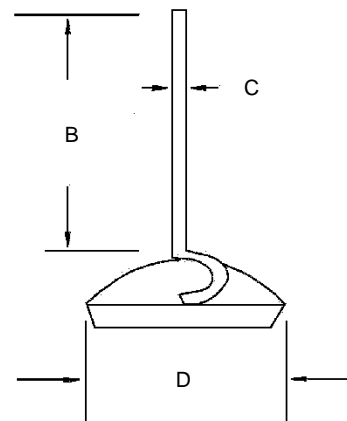
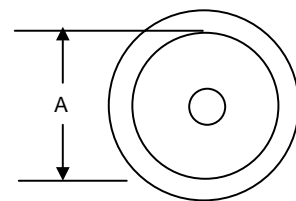
MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
DR351	100V	70V	100V
DR352	200V	140V	200V
DR353	300V	210V	300V
DR354	400V	280V	400V
DR356	600V	420V	600V

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

Average Forward Current	$I_{F(AV)}$	35A	$T_C = 105^\circ\text{C}$
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	$R_{\theta JC}$	0.8°C/W	Note 1

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

### DR25/35



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	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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