



**Transys  
Electronics  
LIMITED**

**MD/MDL 25000C/A Series - 25 Amp  
MD/MDL 35000C/A Series - 35 Amp  
MD/MDL 50000C/A Series - 50 Amp**

**Rectifier Automotive Diode**

## Data Sheet

### Features

- Oxide Passivated EPI Die
- Low Forward Voltage
- Low Leakage
- High Temperature Solder Compatible

Coloured ring denotes cathode



MD Series  
Nominal 8.5mm

Button Diode

MDL Series  
Nominal 10mm

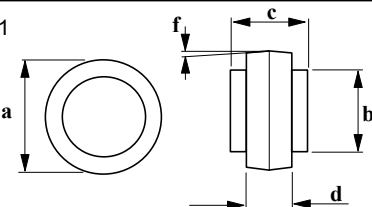
Characteristics at 25° C	Reverse Voltage	RMS Reverse Voltage	Maximum Forward Voltage @ t = 300µS	Average Rectified Output Current	No- Repetitive Peak Forward Surge Current	Maximum Reverse Current @ V <sub>R</sub>	Reverse Recovery Time @ IF=0.5A	Outline
Type Number	V <sub>RRM</sub> , V <sub>RWM</sub> , V <sub>R</sub> Volt	V <sub>RMS</sub> Volt	V <sub>F</sub> @ 75A Volt	I <sub>F</sub> (AVG) Amp	I <sub>FSM</sub> Amp	I <sub>R</sub> nA	T <sub>RR</sub> µS	
MD25050/MDL25050	50	35	1.05	25	400	200	3	1
MD25100/MDL25100	100	70						
MD25200/MDL25200	200	140						
<b>MD25400/MDL25400</b>	400	280						
MD25600/MDL25600	600	420						
MD25800/MDL25800	800	560						
MD251000/MDL251000	1000	700						
Type Number	V <sub>RRM</sub> , V <sub>RWM</sub> , V <sub>R</sub> Volt	V <sub>RMS</sub> Volt	V <sub>F</sub> @ 100A Volt	I <sub>F</sub> (AVG) Amp	I <sub>FSM</sub> Amp	I <sub>R</sub> nA	T <sub>RR</sub> µS	
MD35050/MDL35050	50	35	1.05	35	500	200	3	1
MD35100/MDL35100	100	70						
MD35200/MDL35200	200	140						
MD35400/MDL35400	400	280						
MD35600/MDL35600	600	420						
MD35800/MDL35800	800	560						
MD351000/MDL351000	1000	700						
Type Number	V <sub>RRM</sub> , V <sub>RWM</sub> , V <sub>R</sub> Volt	V <sub>RMS</sub> Volt	V <sub>F</sub> @ 100A Volt	I <sub>F</sub> (AVG) Amp	I <sub>FSM</sub> Amp	I <sub>R</sub> nA	T <sub>RR</sub> µS	
MD50050/MDL50050	50	35	1.05	50	600	200	3	1
MD50100/MDL50100	100	70						
MD50200/MDL50200	200	140						
MD50400/MDL50400	400	280						
MD50600/MDL50600	600	420						
MD50800/MDL50800	800	560						
MD501000/MDL501000	1000	700						

\* The characteristics above assume the die are assembled in industry standard packages using appropriate attach methods

Maximum Operating Temperature Range -65 to +200 ° C  
Maximum Storage Temperature Range -65 to +200 ° C

## Mechanical Dimensions

Outline 1



Dimensions - MD Series				
	Inches		Millimetres	
Dim	Min	Max	Min	Max
a	0.326	0.350	8.30	8.90
b	0.216	0.224	5.50	5.701
c	0.236	0.251	6.00	6.40
d	0.165	0.185	4.20	4.70
f	5° Nominal		5° Nominal	

Dimensions - MDL Series				
	Inches		Millimetres	
Dim	Min	Max	Min	Max
a	0.370	0.409	9.70	10.40
b	0.216	0.224	5.50	5.701
c	0.236	0.251	6.00	6.40
d	0.165	0.185	4.20	4.70
f	5° Nominal		5° Nominal	

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