

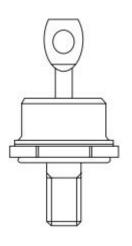
Standard Recovery Diodes

FEATURES

- With DO-5 packaging
- · High surge current capability
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Switching power supply
- · Power switching circuits
- · General rectification



DO-5

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
VRRM VRWM VR	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage tw=500ns;duty=1/40	200	V
IF(AV)	Average Rectified Forward Current	50	Α
IFSM	Nonrepetitive Peak Surge Current 8.3ms single half sine-wave superimposed on rated load conditions;One shot	600	А
TJ	Junction Temperature	-55~175	$^{\circ}$ C
Tstg	Storage Temperature Range	-55~175	$^{\circ}$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	10	°C/W

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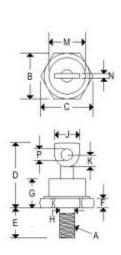
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ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
VF	Maximum Instantaneous Forward Voltage	I _F = 50A,Tj=25℃	1.15	V
I _R	Maximum Instantaneous Reverse Current	V _R = V _{RWM;} Tj=25°C V _R = V _{RWM;} Tj=125°C	10 10	μ A mA
t _{rr}	Maximum Reverse Recovery Time	I _F =10A; di/dt = 50 A/us;V _R = 30 V	50	ns

PACKAGE OUTLINE

Dimensions in mm (1mm = 0.0394")



	DO-5(R)				
	Inc	hes	Millimeters		
	Min	Max	Min	Max	
Α	1/4-28 UNF2A threads				
В	0.669	0.688	16.990	17.480	
C		0.794		20.160	
D	- 2	1.000	2	25.400	
E	0.422	0.453	10.720	11.510	
F	0115	0.200	2.920	5.080	
G	**	0.450		11.430	
Н	0.220	0.249	5.580	6.320	
J	0.250	0.375	6.350	9.530	
K	0.156	26	3.960		
M	-	0.667	-	16.940	
N	0.030	0.080	0.760	2.030	
P	0.140	0.175	3.560	4.450	

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