

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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R4000F THRU R5000F

200 Milliamp High Voltage Silicon Rectifier 4000 to 5000 Volts

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- Low Cost
- Low Leakage
- Low Forward Voltage Drop
- High Voltage
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

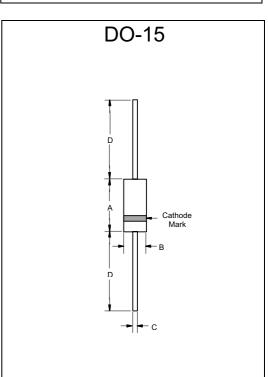
Operating Temperature: -65°C to +150°C
 Storage Temperature: -65°C to +150°C

Microsemi Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
R4000F	R4000F	4000V	2800V	4000V
R5000F	R5000F	5000V	3500V	5000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	200mA	T _A = 50°C
Peak Forward Surge Current	I _{FSM}	30A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_{F}	6.5V	I _{FM} = 0.2A; T _A = 50°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0μA 40μA	$T_A = 25^{\circ}\mathbb{C}$ $T_A = 100^{\circ}\mathbb{C}$
Maximum Full Load Reverse Current, Full Cycle Average 9.5mm lead length at T _L =75°C	I _{R(AV)}	30μΑ	
Maximum Reverse Recovery Time	T _{rr}	500ns	

Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.



DIMENSIONS							
	INCHES		MM				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.230	.300	5.80	7.60			
В	.104	.140	2.60	3.60			
С	.026	.034	.70	.90			
D	1.000		25.40				



Ordering Information :

Device	Packing	
Part Number-TP	Tape&Reel: 4Kpcs/Reel	
Part Number-AP	Ammo Packing: 3Kpcs/Ammo Box	
Part Number-BP	Bulk: 25Kpcs/Carton	

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