

**Micro Commercial Components** 



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### **Features**

- Low Cost
- Lead Free Finish/RoHS Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- High Current Capability
- High Voltage
- Halogen free available upon request by adding suffix "-HF"

### **Maximum Ratings**

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

MCC	Device	Maximum	Maximum	Maximum		
Catalog	Marking	Recurrent	RMS	DC		
Number	_	Peak Reverse	Voltage	Blocking		
		Voltage	_	Voltage		
R1200	R1200	1200V	840V	1200V		
R1500	R1500	1500V	1050V	1500V		
R1800	R1800	1800V	1260V	1800V		
R2000	R2000	2000V	1400V	2000V		

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

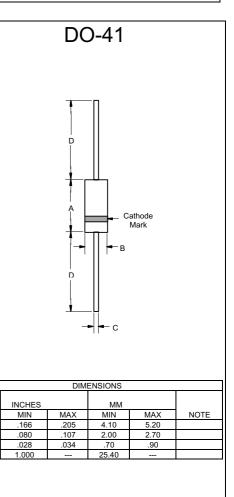
I <sub>F(AV)</sub>	500mA	T <sub>A</sub> = 50°C
(,		
IFSM	30A	8.3ms, half sine
		,
VF	2.0V	I <sub>FM</sub> = 0.5A;
	3.0V	T <sub>A</sub> = 50°C
I <sub>R</sub>	5.0uA	T <sub>A</sub> = 25°C
		$T_{A} = 100^{\circ}C$
	σομιτ	.A
C,	30pF	Measured at
3	•	1.0MHz, V <sub>R</sub> =4.0V
	V <sub>F</sub>	V <sub>F</sub> 2.0V 3.0V I <sub>R</sub> 5.0μA 50μA

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

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# R1200 THRU R2000

## 500 Milliamp High Voltage Silicon Rectifier 1200 to 2000 Volts



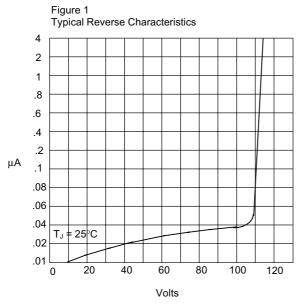
DIM

А

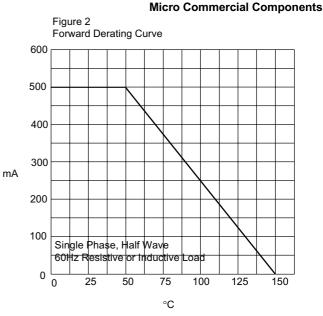
В



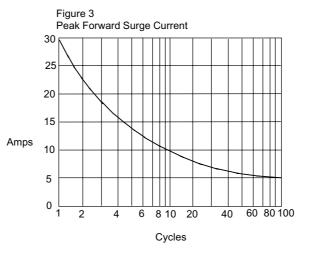
### R1200 - R2000



Instantaneous Reverse Current - Micro Ampsversus Percent Of Rated Peak Reverse Voltage - Volts



Average Forward Rectified Current - Amperes/ersus Ambient Temperature -°C



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles

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### **Ordering Information :**

Device	Packing
Part Number-TP	Tape&Reel: 5Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/Ammo Box
Part Number-BP	Bulk: 50Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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