查询1N5822供应商

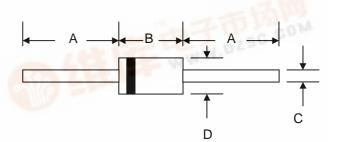


1N5820 - 1N5822

3.0A SCHOTTKY BARRIER RECTIFIER

Features

- Schottky Barrier Chip
- Guard Ring Die Construction for Transient Protection
- High Current Capability
- Low Power Loss, High Efficiency
- High Surge Current Capability
- For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications



Mechanical Data

Case: Molded Plastic

Terminals: Plated Leads Solderable per

MIL-STD-202, Method 208

Polarity: Cathode Band

Weight: 1.2 grams (approx.)

Mounting Position: Any

Marking: Type Number

DO-201AD					
Dim	Min	Max			
Α	25.4	7-11			
В	8.50	9.50			
С	1.20	1.30			
D	5.0	5.60			
All Dimensions in mm					

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

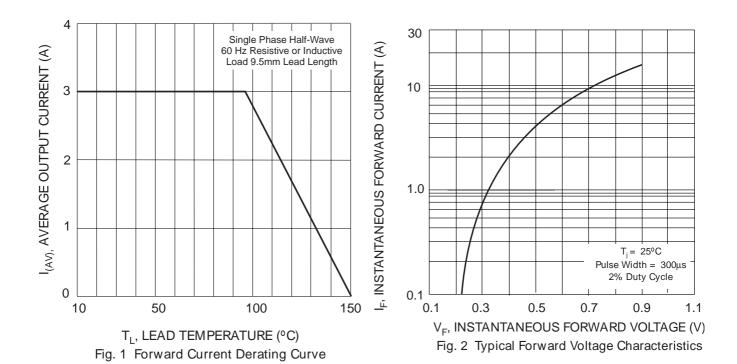
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

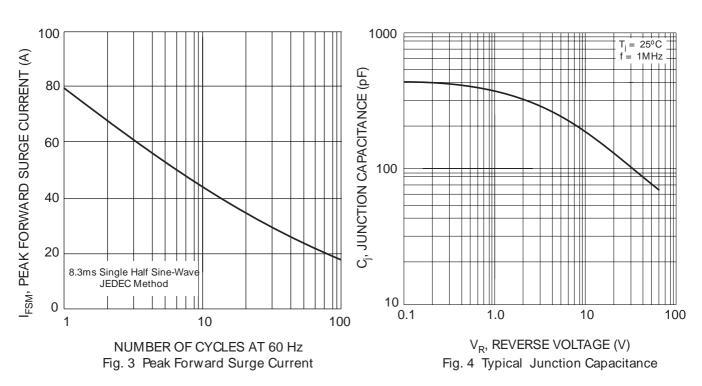
Characteristic		Symbol	1N5820	1N5821	1N5822	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	市场际	VRRM VRWM VR	20	30	40	V
RMS Reverse Voltage	OZSC.CO	VR(RMS)	14	21	28	V
Average Rectified Output Current (Note 1) @T _L = 90°C		lo	3.0			А
Non-Repetitive Peak Forward Surge Current 8 Single half sine-wave superimposed on rated (JEDEC Method)		IFSM		80	· 工市	A
Forward Voltage	@I _F = 3.0A @I _F = 9.4A	Vғм	0.475 0. <mark>850</mark>	0.50 0.90	0.525 0.950	V
Peak Reverse Current At Rated DC Blocking Voltage	@T _A = 25°C @T _A = 100°C	IRM	12 14:	2.0 20		mA
Typical Junction Capacitance (Note 2)		Cj	250		pF	
Typical Thermal Resistance Junction to Ambient		R <i>⊕</i> JA	20		K/W	
Operating and Storage Temperature Range		Тj, Tsтg	-65 to +150		°C	

1 of 3

- Note: 1. Valid provided that leads are kept at ambient temperature at a distance of 9.5mm from the case.
 - 2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.







ORDERING INFORMATION

Product No.◆	Package Type	Shipping Quantity	
1N5820-T3	DO-201AD	1200/Tape & Reel	
1N5820-TB	DO-201AD	1200/Tape & Box	
1N5820	DO-201AD	500 Units/Box	
1N5821-T3	DO-201AD	1200/Tape & Reel	
1N5821-TB	DO-201AD	1200/Tape & Box	
1N5821	DO-201AD	500 Units/Box	
1N5822-T3	DO-201AD	1200/Tape & Reel	
1N5822-TB	DO-201AD	1200/Tape & Box	
1N5822	DO-201AD	500 Units/Box	

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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We power your everyday.



Products listed in **bold** are WTE **Preferred** devices.

T3 suffix refers to a 13" reel. TB suffix refers to Ammo Pack.

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.