

S20D150C - S20D200C

20A HIGH VOLTAGE DUAL SCHOTTKY BARRIER RECTIFIER

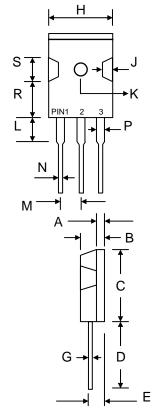


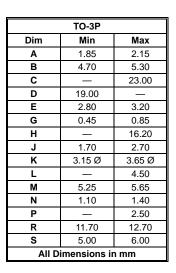
Features

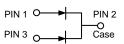
- Schottky Barrier Chip
- Guard Ring for Transient Protection
- Low Forward Voltage Drop
- Low Power Loss, High Efficiency
- High Surge Current Capability
- Epoxy Meets UL 94V-0 Classification
- Ideally Suited for Use in High Frequency SMPS, Inverters and As Free Wheeling Diodes

Mechanical Data

- Case: TO-3P, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-750, Method 2026
- Polarity: See Diagram
- Weight: 5.6 grams (approx.)
- Mounting Position: Any
- Mounting Torque: 1.2 N.m Max.
- Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 4







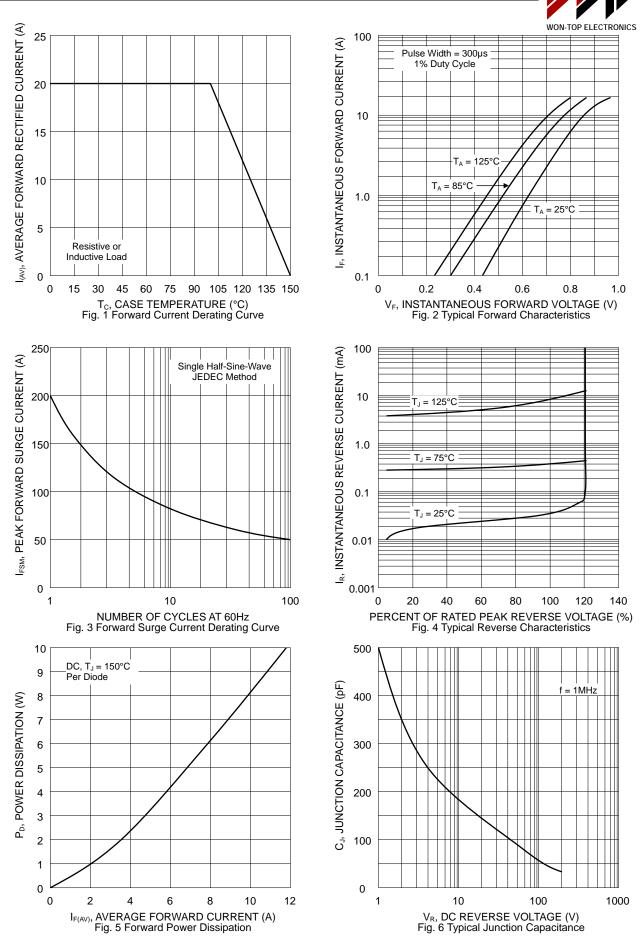
Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

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

Characteristic	Symbol	S20D150C	S20D200C	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	150	200	V
RMS Reverse Voltage	Vr(rms)	105	140	V
Average Rectified Output CurrentTotal Device $@T_c = 100^{\circ}C$ Per Diode	lo	20 10		A
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	IFSM	200		A
Forward Voltage per diode $@I_F = 10A, T_J = 25^{\circ}C$ $@I_F = 10A, T_J = 125^{\circ}C$	Vfm	0. 0.		V
Peak Reverse Current $@T_J = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_J = 100^{\circ}C$	Iгм	0.2 10		mA
Typical Junction Capacitance (Note 1)	CJ	250		pF
Thermal Resistance Junction to Ambient per diode Thermal Resistance Junction to Case per diode	R JA R JC	50 1.5		°C/W
Operating and Storage Temperature Range	ТЈ, ТЅТС	-55 to +150		°C

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

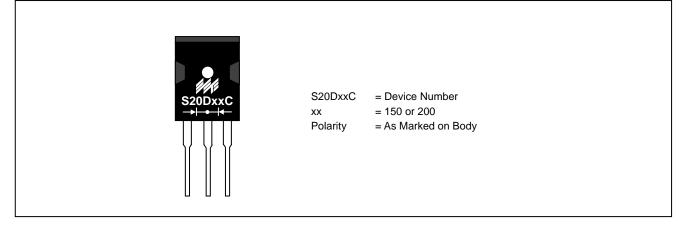
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MARKING INFORMATION



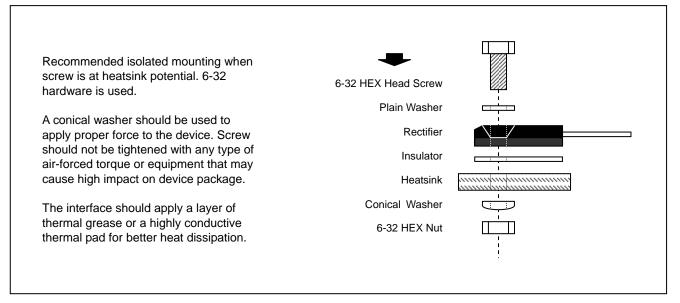
PACKAGING INFORMATION

BULK

Tube Size	Quantity	Inner Box Size	Quantity	Carton Size	Quantity	Approx. Gross Weight
L x W x H (mm)	(PCS)	L x W x H (mm)	(PCS)	L x W x H (mm)	(PCS)	(KG)
505 x 46 x 6.5	30	520 x 145 x 95	1,200	540 x 306 x 115	2,400	18.0

Note: 1. Anti-static tube, water clear color.

RECOMMENDED SCREW MOUNTING ARRANGEMENT





Product No.	Package Type	Shipping Quantity
S20D150C	TO-3P	30 Units/Tube
S20D200C	20D200C TO-3P	

ORDERING INFORMATION

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
To order RoHS / Lead Free version (with Lead Free finish), add "-LF"

. To order RoHS / Lead Free version (with Lead Free finish), add "-Ll suffix to part number above. For example, S20D150C-LF.

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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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