

S30D30C - S30D60C



30A DUAL SCHOTTKY BARRIER RECTIFIER

Features

- Schottky Barrier Chip
- Guard Ring for Transient Protection
- Low Forward Voltage Drop
- Low Reverse Leakage Current
- High Surge Current Capability
- Plastic Material has UL Flammability Classification 94V-O

Mechanical Data

Case: TO-3P, Molded Plastic

 Terminals: Plated Leads Solderable per MIL-STD-750, Method 2026

Polarity: See Diagram

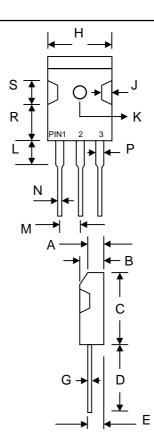
Weight: 5.6 grams (approx.)

Mounting Position: Any

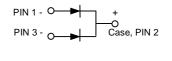
WW

Mounting Torque: 11.5 cm-kg (10 in-lbs) Max.

Lead Free: For RoHS / Lead Free Version,
Add "-LF" Suffix to Part Number, See Page 4



TO-3P				
Dim	Min	Max		
Α	3.20	3.50		
В	4.70	5.30		
С	_	23.00		
D	19.00	_		
E	2.80	3.20		
G	0.45	0.85		
Н	_	16.20		
J	1.70	2.70		
K	3.15 Ø	3.65 Ø		
L	_	4.50		
M	5.25	5.65		
N	1.10	1.40		
Р	_	2.50		
R	11.70	12.70		
S	5.00	6.00		
All Dimensions in mm				



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

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

Characteristic	Symbol	S30D 30C	S30D 35C	S30D 40C	S30D 45C	S30D 50C	S30D 60C	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	30	35	40	45	50	60	٧
RMS Reverse Voltage	VR(RMS)	21	25	28	32	35	42	V
Average Rectified Output Current @T _C = 95°C	lo	30					Α	
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	275					А	
Forward Voltage @I _F = 15A	VFM	0.55 0.65		65	V			
	lгм	1.0 60					mA	
Typical Junction Capacitance (Note 1)	Cj	1100					pF	
Typical Thermal Resistance Junction to Case (Note 2)	R _θ JC	1.4					°C/W	
Operating and Storage Temperature Range	Tj, Tstg	-65 to +150					°C	

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

2. Thermal resistance junction to case mounted on heatsink.

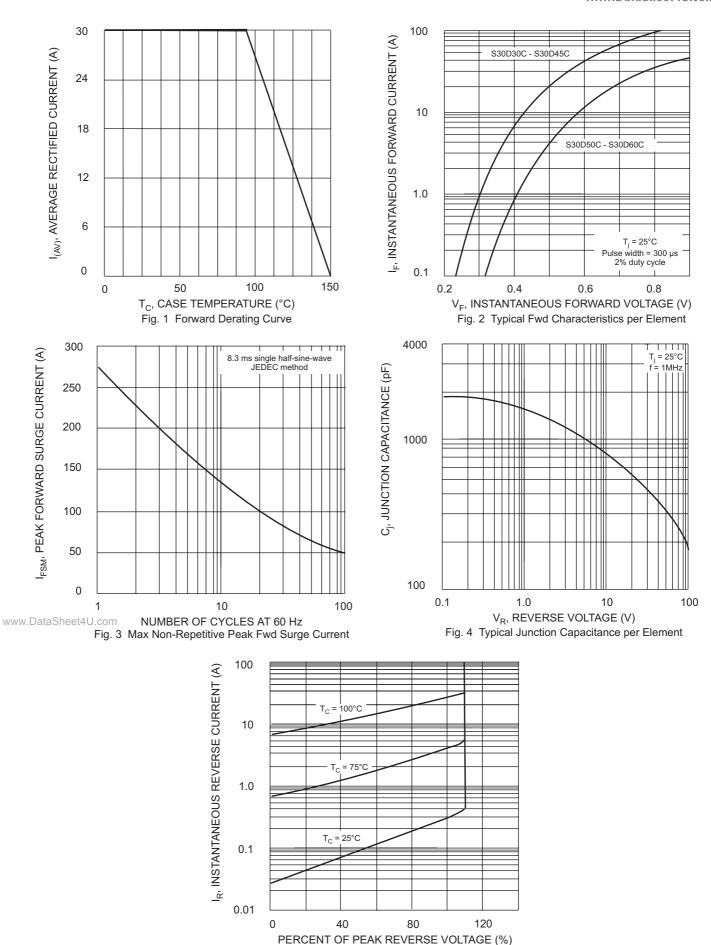
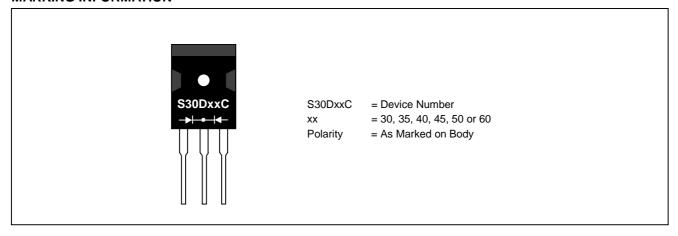


Fig. 5 Typical Reverse Characteristics per Element

MARKING INFORMATION



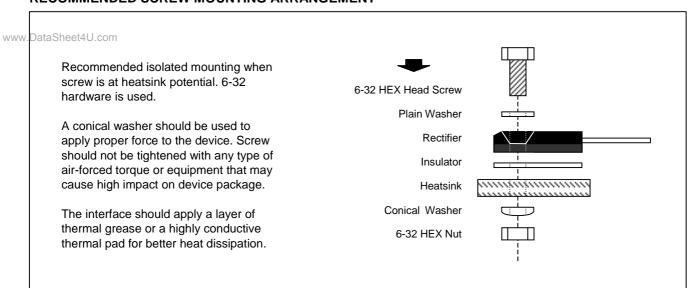
PACKAGING INFORMATION

BULK

Tube Size	Quantity	Inner Box Size	Quantity	Carton Size	Quantity	Approx. Gross Weight (KG)
L x W x H (mm)	(PCS)	L x W x H (mm)	(PCS)	L x W x H (mm)	(PCS)	
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



ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
S30D30C	TO-3P	30 Units/Tube
S30D35C	TO-3P	30 Units/Tube
S30D40C	TO-3P	30 Units/Tube
S30D45C	TO-3P	30 Units/Tube
S30D50C	TO-3P	30 Units/Tube
S30D60C	TO-3P	30 Units/Tube

- 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" suffix to part number above. For example, S30D30C-LF.

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