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SR2520 thru SR2560

25.0 Amp Low VF Schottky Barrier Rectifier

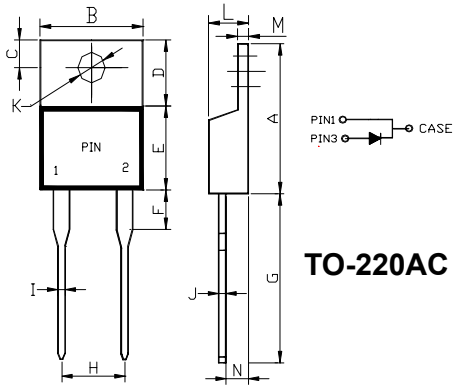
20 Volts to 60 Volts

Features

* Low forward voltage drop
* High current capability
* High reliability
* High surge current capability
* Epitaxial construction

Mechanical Data

* Case: Molded Plastic
* Epoxy: UL 94-0 rate flame retardant
* Lead: Lead solderable per MIL-STD-202,
  Method 208 guranteed
* Polarity: As Marked
* Mounting position: Any
* Weight: 2.24 grams



TO-220AC

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.560	0.625	14.22	15.88	
B	0.380	0.420	9.65	10.67	
C	0.100	0.135	2.54	3.43	
D	0.230	0.270	5.84	6.86	
E	0.380	0.420	9.65	10.67	
F	------	0.250	-----	6.35	
G	0.500	0.580	12.70	14.73	
H	0.190	0.210	4.83	5.33	
I	0.020	0.045	0.51	1.14	
J	0.012	0.025	0.30	0.64	
K	0.139	0.161	3.53	4.09	ϕ
L	0.140	0.190	3.56	4.83	
M	0.045	0.055	1.14	1.40	
N	0.080	0.115	2.03	2.92	

Symbol	Characteristics		SR2520	SR2540	SR2545	SR2560	Unit
V_{RRM}	Maximum Recurrent Peak Reverse Voltage		20	40	45	60	V
V_{RM}	Maximum DC Blocking Voltage		20	40	45	60	V
$V_{R(RMS)}$	Maximum RMS Voltage		14	28	32	42	V
V_F	Maximum Forward Voltage Drop @ 25.0A (Note 1)		0.45	0.55		0.70	V
$I_{F(AV)}$	Average Forward Current		25				A
I_{FSM}	8.3ms Single Half-Sine-Wave Peak Forward Surge Current		150				A
I_R	Maximum DC Reverse Current at Rated DC Blocking Voltage	@ TJ=25°C	0.5				mA
		@TJ=125°C	50				
R_{thJC}	Typical Thermal Resistance (Note 2)		3.0				°C/ W
C_J	Typical Junction Capacitance (Note 3)		-				pF
T_J	Operating Temperature Range		-55to+125				°C
T_{STG}	Storage Temperature Range		-55to+150				°C

NOTES: 1. 300us Pulse Width, Duty Cycle 1%.
2. Thermal Resistance Junction To Case.
3. Measured At 1.0MHz And Applied Reverse Voltage Of 4.0V DC.

Revision: 1 ***2002/06/17***