



Schottky Barrier Rectifiers

Using the Schottky Barrier principle with a Molybdenum barrier metal. These state-of-the-art geometry features epitaxial construction with oxide passivation and metal overlay contact. Ideally suited for low voltage, high frequency rectification, or as free wheeling and polarity protection diodes.

- * Low Forward Voltage.
- * Low Switching noise.
- * High Current Capacity
- * Guarantee Reverse Avalanche.
- * Guard-Ring for Stress Protection.
- * Low Power Loss & High efficiency.
- * 150 Operating Junction Temperature
- * Low Stored Charge Majority Carrier Conduction.
- * Plastic Material used Carries Underwriters Laboratory Flammability Classification 94V-O

MAXIMUM RATINGS

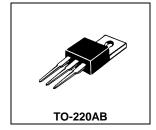
Characteristic	Symbol		l las!t					
Characteristic		30CE	35CE	40CE	45CE	50CE	60CE	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	30	35	40	45	50	60	V
RMS Reverse Voltage	V _{R(RMS)}	21	25	28	32	35	42	V
Average Rectifier Forward Current Total Device (Rated V _R), T _C =100	I _{F(AV)}	5.0 10				Α		
Peak Repetitive Forward Current (Rate V _R , Square Wave, 20kHz)	I _{FM}	10		Α				
Non-Repetitive Peak Surge Current (Surge applied at rate load conditions halfware, single phase, 60Hz)	I _{FSM}	125			А			
Operating and Storage Junction Temperature Range	T _J , T _{stg}	-65 to +150						

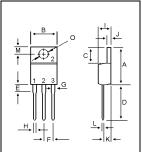
ELECTRIAL CHARACTERISTICS

Characteristic	Symbol	S10C						11
		30CE	35CE	40CE	45CE	50CE	60CE	Unit
$\label{eq:maximum Instantaneous Forward Voltage} \begin{tabular}{ll} Maximum Instantaneous Forward Voltage \\ (I_F = 5.0 Amp T_C = 25 &) \\ (I_F = 5.0 Amp T_C = 125 &) \end{tabular}$	V _F		0.: 0.	57 46			70 52	V
	I _R	0.5 20				mA		

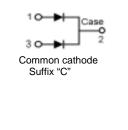


10 AMPERES 30-60 VOLTS





DIM	MILLIMETERS					
וווט	MIN	MAX				
Α	14.68	15.32				
В	9.78	10.42				
С	5.02	6.52				
D	13.06	14.62				
Е	3.57	4.07				
F	2.42	2.66				
G	1.12	1.36				
Н	0.72	0.96				
- 1	4.22	4.98				
J	1.14	1.38				
K	2.20	2.98				
L	0.33	0.55				
М	2.48	2.98				
0	3.70	3.90				



\$10C30CE thru \$10C60CE

