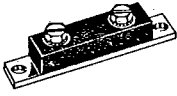
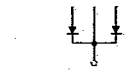
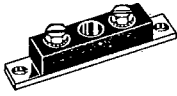
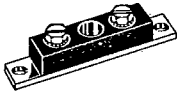




Schottky Rectifiers

T-03-21

25 TO 440 AMPS

Part Number	V _{RWM} (V)	I _{F(AV)} @ T _C		V _{FM} @ I _{FM} (A)	I _{RM} @ T _J = 125°C & Rated V _{RWM} (mA)	Max. T _J (°C)	Case Style
		(A)	(°C)				
200CNQ030	30	200	107	0.60	340	150	TO-244AB 
200CNQ035	35	200	107	0.60	340	150	
200CNQ040	40	200	107	0.60	340	150	
200CNQ045	45	200	107	0.60	340	150	
200CNQ050	50	200	107	0.60	340	150	
201CNQ030	30	200	133	0.65	77	175	
201CNQ035	35	200	133	0.65	77	175	
201CNQ040	40	200	133	0.65	77	175	
201CNQ045	45	200	133	0.65	77	175	
201CNQ050	50	200	133	0.65	77	175	
220CNQ030	30	220	107	0.45	500	150	
301CNQ030	30	300	115	0.70	90	175	
301CNQ035	35	300	115	0.70	90	175	
301CNQ040	40	300	115	0.70	90	175	
301CNQ045	45	300	115	0.70	90	175	
301CNQ050	50	300	115	0.70	90	175	
400CNQ030	30	400	105	0.72	800	150	
400CNQ035	35	400	105	0.72	800	150	
400CNQ040	40	400	105	0.72	800	150	
400CNQ045	45	400	105	0.72	800	150	
440CNQ025	25	440	110	0.51	900	150	
440CNQ030	30	440	110	0.51	900	150	

Mil-Qualified Schottkys

Part Numbers (4)				Voltage (V)	Industrial Current Rating (A)	Military Current Rating (A)	MIL-S-19500	Qualification	Case Style
JEDEC	JAN	JANTX	JANTXV						
1N6391	JAN1N6391	JANTX1N6391	JANTXV1N6391	45	25	25	/553	19500-647-83	D04 
1N6392	JAN1N6392	JANTX1N6392	JANTXV1N6392	45	60	60	/554	19500-648-83	D05 

INTERNATIONAL RECTIFIER



1N6391

SCHOTTKY RECTIFIER

25 Amp

Major Ratings and Characteristics

Characteristics	1N6391	Units
$I_{F(AV)}$ Rectangular waveform	25*	A
V_{RRM}	45	V
I_{FSM} @ 60Hz	600*	A
V_F @ 25Apk, $T_J=25^\circ\text{C}$	0.64	V
T_J	-55 to 175*	$^\circ\text{C}$

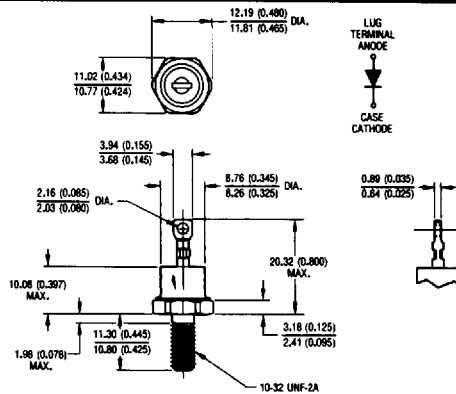
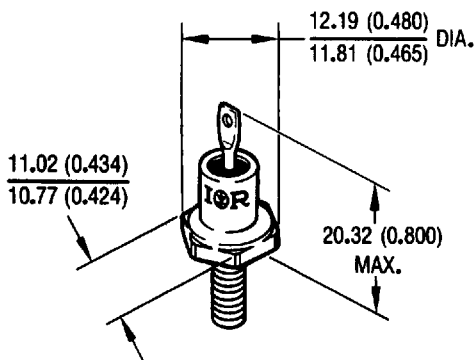
* JEDEC Registered Value

Description/Features

The 1N6391 Schottky rectifier has been optimized for low reverse leakage at high temperature. The proprietary barrier technology allows for reliable operation up to 175° C junction temperature. Typical applications are in switching power supplies, converters, free-wheeling diodes, and reverse battery protection.

- 175° C T_J operation
- Low forward voltage drop
- High frequency operation
- Guard ring for enhanced ruggedness and long term reliability
- Hermetic packaging
- Military qualified versions also available

CASE STYLE AND DIMENSIONS



Conforms to JEDEC Outline DO-203AA (DO-4)
Dimensions in millimeters and inches