

Low VF Schottky Barrier Rectifiers

ITO-220AB

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O.
 Flame Retardant Epoxy Molding Compound.
- · Metal silicon junction, majority carrier conduction
- · Low power loss, high efficiency.
- · High current capability
- For use in low voltage, high frequency inverters free wheeling, and polarlity protection applications.
- . Lead free in comply with EU RoHS

B G G N O D

Dim.	Min.	Max.		
Α	9.95	10.25		
В	2.95	3.25		
С	1.25	1.45		
D	12.95	13.25		
Е	0.50	0.65		
F	3.1	3.3		
G	1.30	1.45		
Н	Typ 2.54			
- 6	Typ 5.08			
J	4.60	4.75		
K	2.50	2. 65		
L	6.35	6.55		
М	15.4	16.0		
N	2.75	3.05		
0	0.48	0.52		
Р	0.76	0.84		

MECHANICAL DATA

- · Case: ITO-220AB molded plastic
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- · Polarity: As marked.
- · Mounting Position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

Characteristics		Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	150	V
Working Peak Reverse Voltage		V_{RWM}	150	V
Maximum DC Blocking Voltage		V_{DC}	150	V
Maximum Average Forward Rectified Current	Per Leg	ı	10	А
	Total	- I _O	20	
Peak Forward Surge Current,8.3 ms Single Half Sine-wave		I _{FSM}	160	А
Operating Temperature Range		T _J	-50 to +150	°C
Storage Temperature Range		T _{STG}	-50 to +150	°C
Typical Thermal Resistance (Note1)		R _{e JC}	4	°C/W

 $\label{thm:local_equation} \textbf{Note1: Thermal resistance from Junction to case per leg mounted on heatsink.}$



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ELECTRICAL CHARACTERISTICS(Ta=25°C unless otherwise noted)

Characteristics		Symbol	Value		Unit
Forward Voltage Drop(Note2)			Тур.	Max.	
at I _F =3A	TA=25°C	V _F	0.64	-	
	TA=125°C		0.53	-	
at I _F =5A	TA=25°C		0.71	0.78	V
	TA=125°C		0.58	-	
at I _F =10A	TA=25°C		0.81	0.96	
	TA=125°C		0.67	-	
Maximum Reverse Current at V _R =150V	TA=25°C	_	1.5	5	μA
	TA=125°C	I _R	1.5	-	mA

Note2:Pulse test: 300 µs pulse width, 1 % duty cycle

RATING AND CHARACTERISTIC CURVES







