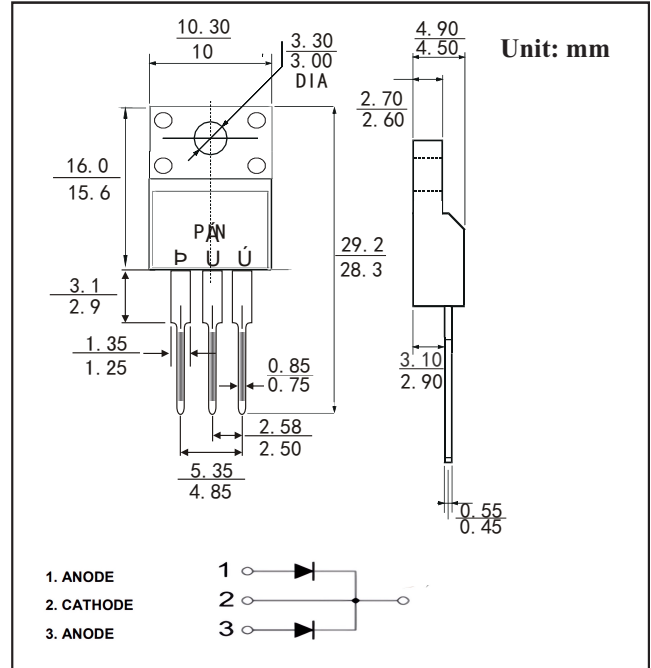


TO-220AB SCHOTTKY BARRIER RECTIFIER
Features

- High current capability
 - Low forward voltage drop
 - Low power loss, high efficiency
 - High surge capability
 - High temperature soldering guaranteed
- Mounting position: any

Mechanical data

- Case: TO-220AB
- Approx. Weight: 2.04g (0.072oz)
- Case Material: "Green" molding compound, UL flammability classification 94V-0, "Halogen-free".


MAXIMUM RATINGS AND CHARACTERISTICS @ 25°C Ambient Temperature (unless otherwise noted)
Absolute Maximum Ratings

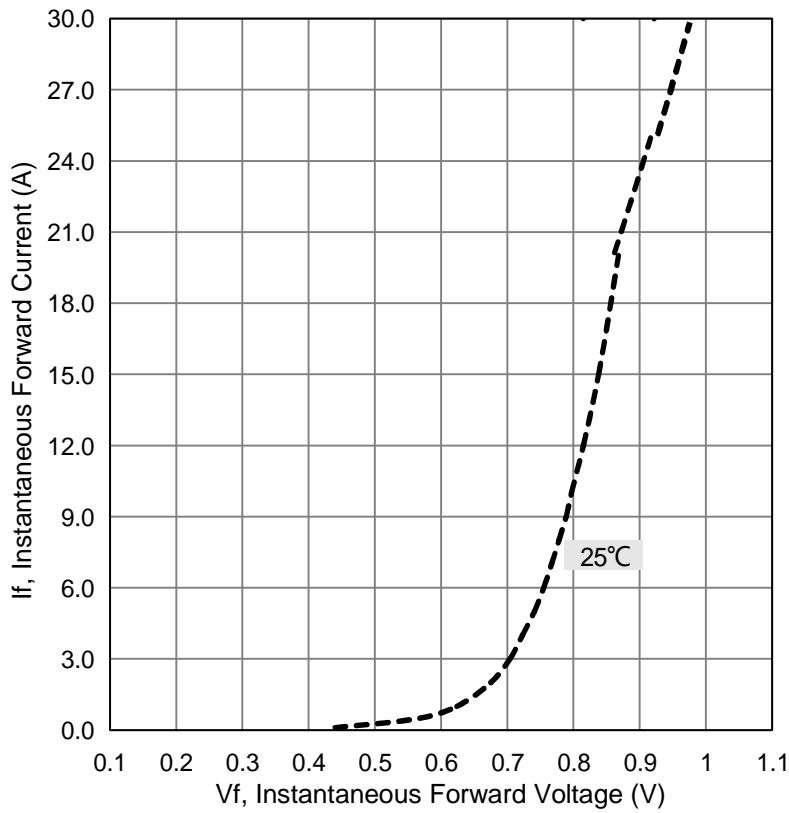
Item	Symbol	Data	Unit
Maximal Inverted Repetitive Peak Voltage	V_{RRM}	300	V
Average Rectified Forward Current (Rated VR-20Khz Square Wave) - 50% duty cycle	I_{FAV}	60	A
Reverse Recovery Time(IF=0.5A IR=1.0A IREC=0.25A)	T_{RR}	≤35	nS
Forward Peak Surge Current(Rated Load 8.3 Half Mssine Wave-According to JEDEC Method)	I_{FSM}	360×2	A
Operating Junction Temperature	T_J	-40~175	°C
Storage Temperature	T_{STG}	-40~175	°C
Typical Thermal Resistance(per leg)	$R_{\theta JC}$	0.5	°C/W

Electricity Character

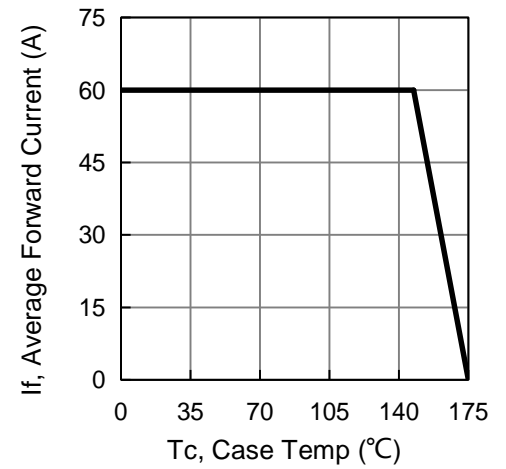
Item	Test Condition		Value(min)	Value(typ)	Value(max)	Unit
V_B	$T_J = 25^\circ C$	$I_R = 100\mu A$	300	---	---	V
I_R	$T_J = 25^\circ C$	$V_R = 300V$	---	---	0.01	mA
	$T_J = 125^\circ C$	$V_R = 300V$	---	---	2.00	mA
V_F	$T_J = 25^\circ C$	$I_F = 30A$	---	---	0.98	V
	$T_J = 125^\circ C$	$(I_{FAV} = 30A \times 2)$	---	---	0.92	V

RATINGS AND CHARACTERISTIC CURVES

The forward voltage and forward current curve



Current derating curve, per element



The reverse leak current and the reverse voltage (single-device) curve.

