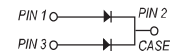
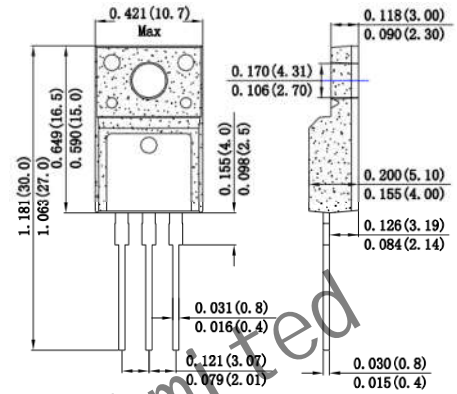


**30.0A 300V Schottky Barrier Rectifier**
**Features**

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed  
260°C/10 seconds at terminals

**ITO-220AB**


Dimensions in inches and (millimeters)

**Mechanical Data**
**Case** : Molded plastic body

**Terminals** : Solder plated, solderable per MIL-STD-750, Method 2026

**Polarity** : Polarity symbol marking on body

**Mounting Position** : Any

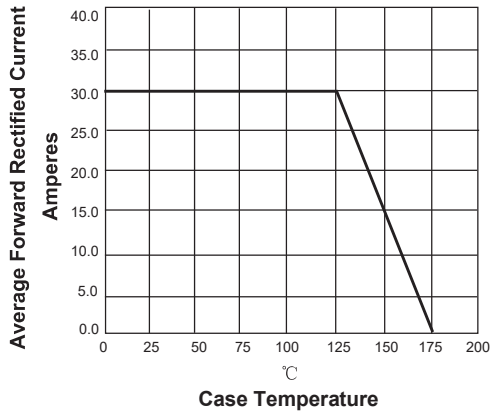
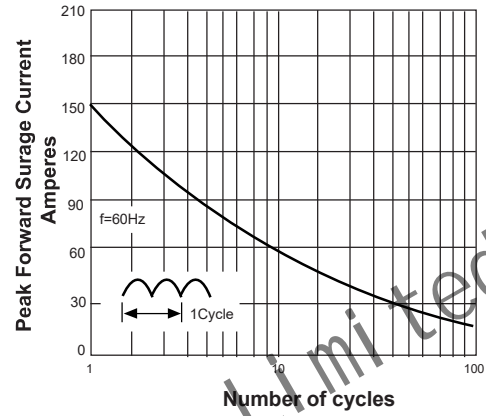
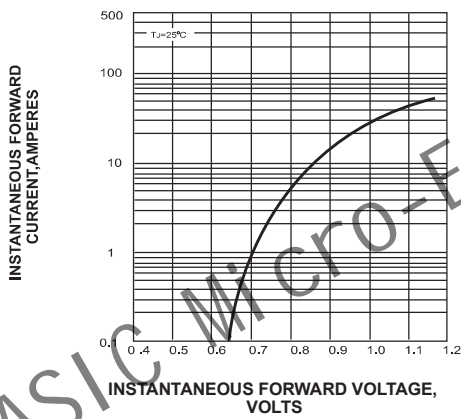
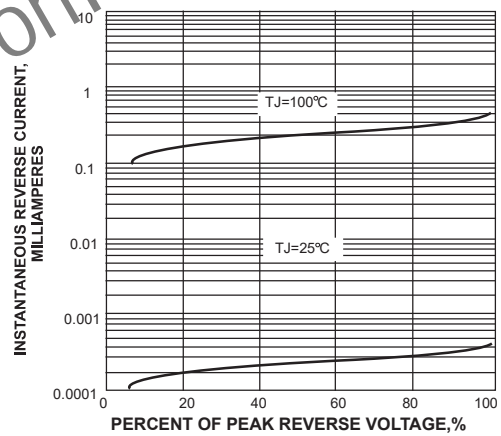
**Maximum Ratings** (Ta=25°C unless otherwise specified)

PARAMETER	SYMBOLS	ASBMBR30300FCTWX0	UNITS
Maximum repetitive peak reverse voltage	$V_{RRM}$	300	V
Maximum RMS voltage	$V_{RMS}$	210	V
Maximum DC blocking voltage	$V_{DC}$	300	V
Maximum average forward rectified current at $T_c=110^\circ\text{C}$	$I_{(AV)}$	30.0 15.0	A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	150.0	A
Typical thermal resistance	$R_{\theta JC}$	3.5	°C/W
Operating junction temperature range	$T_J$	-55 to +175	°C
Storage temperature range	$T_{STG}$	-55 to +150	°C

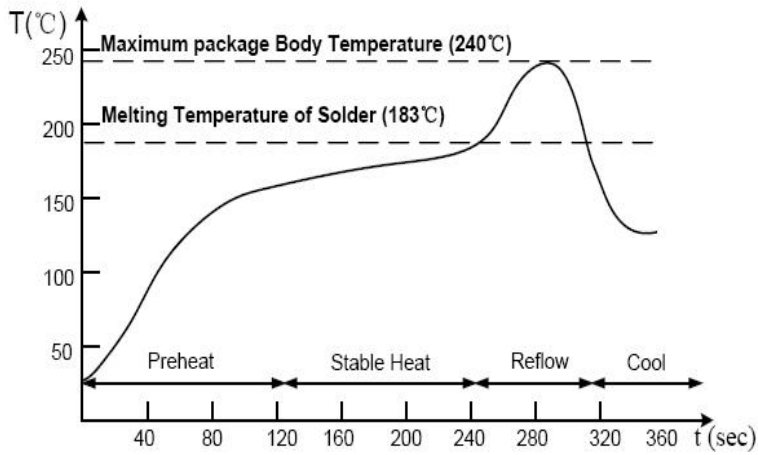
**Electrical Characteristics** (Ta=25°C unless otherwise specified)

PARAMETER	SYMBOLS	TYPE	MAX	UNITS
Maximum instantaneous forward voltage	$V_F$	0.86 0.91	0.90 0.95	V
Maximum DC reverse current at rated DC blocking voltage	$I_R$	0.1 0.5	20 10	u A mA

## Ratings And Characteristic Curves

**FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT**

**FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG**

**FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS**

**FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS**


### Suggested Soldering Temperature Profile



#### Note

- Recommended reflow methods: IR, vapor phase oven, hot air oven, wave solder.
- The device can be exposed to a maximum temperature of 260°C for 10 seconds.
- Devices can be cleaned using standard industry methods and solvents.
- If reflow temperatures exceed the recommended profile, devices may not meet the performance requirements.

### Package Information

#### Tube Package

Package	Tube (mm)	Q'TY/Tube (Kpcs)	Box Size (mm)	QTY/Box (Kpcs)	Carton Size (mm)	Q'TY/Carton (Kpcs)
ITO	525*31.9*6.4	0.05	545*150*45	1.0	575*245*170	5.0