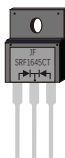
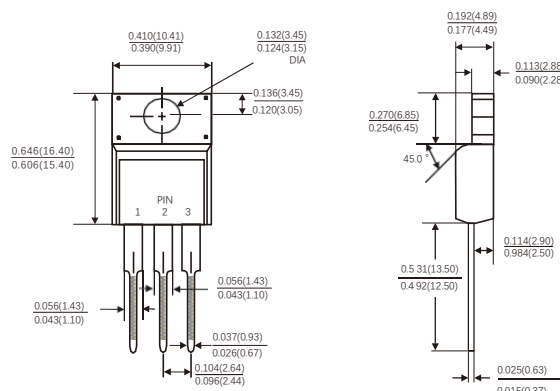


## FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Metal silicon junction ,majority carrier conduction
- Guard ring for overvoltage protection
- Low power loss ,high efficiency
- High current capability ,Low forward voltage drop
- High surge capability
- For use in low voltage ,high frequency inverters,
- free wheeling ,and polarity protection applications
- Dual rectifier construction
- High temperature soldering guaranteed:260°C/10 seconds,,
- 0.25"(6.35mm)from case
- Component in accordance to RoHS 2015/863/EU



## ITO-220AB



## MECHANICAL DATA

- Case: JEDEC ITO-220AB molded plastic body
- Terminals: Lead 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 ,resistive or inductive load. For capacitive load,derate by 20%.)

Parameters	Symbols	Value	Units
Maximum repetitive peak reverse voltage	$V_{RRM}$	45	Volts
Maximum RMS voltage	$V_{RMS}$	32	Volts
Maximum DC blocking voltage	$V_{DC}$	45	Volts
Maximum average forward rectified current See Fig.1	Per leg	8.0	Amps
	Total device	16.0	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load,Total device (JEDEC method)	$I_{FSM}$	200.0	Amps
Maximum instantaneous forward voltage at 8.0 A per diode	$V_F$	0.60	Volts
Maximum instantaneous reverse current at rated DC blocking voltage(Note 1)	$T_J=25^{\circ}C$	100	$\mu A$
	$T_J=100^{\circ}C$	5.0	mA
Typical thermal resistance (Note 2)	$R_{\theta JC}$	4.5	$^{\circ}C/W$
Operating junction temperature range	$T_J$	-55 to+150	$^{\circ}C$
Storage temperature range	$T_{STG}$	-55 to+150	$^{\circ}C$

Notes: 1.Pulse test: 300us pulse width,1% duty cycle  
2.Thermal resistance from junction to case

FIG.1-FORWARD CURRENT DERATING CURVE

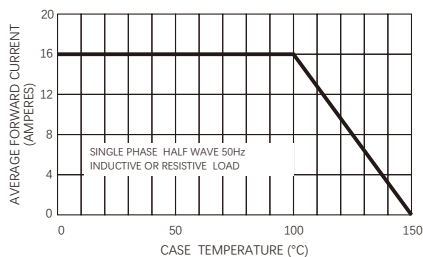


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

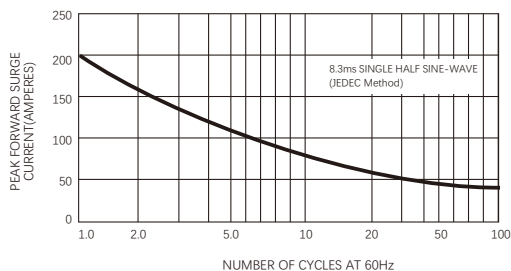


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

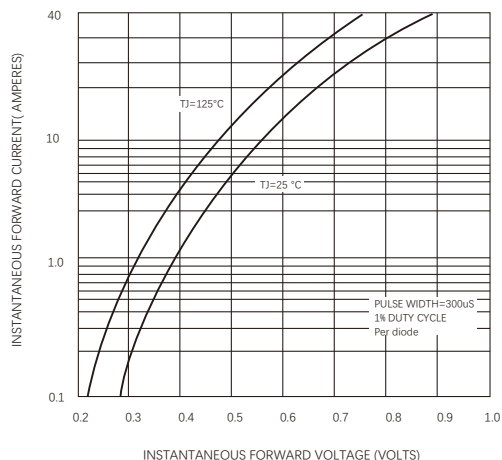
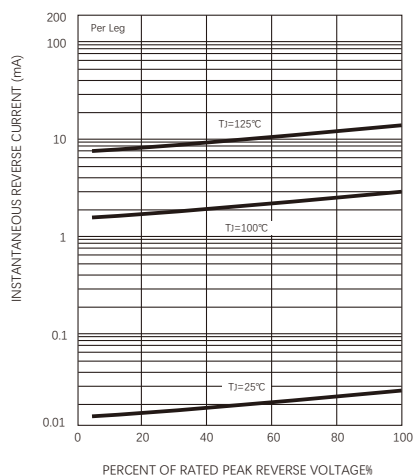


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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