

捷多邦,专业PCB打样工

,24小时加 ISR**202**0C

THRU ISR2060C

## SCHOTTKY BARRIER RECTIFIER

## VOLTAGE RANGE 20 to 60 Volts CURRENT 20 Amperes

### **FEATURES**

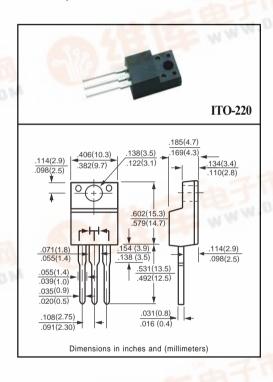
- \* Low switching noise
- \* Low forward voltage drop
- \* Low thermal resistance
- \* High current capability
- \* High switching capability
- \* High surge capabitity
- \* High reliability

#### **MECHANICAL DATA**

- \* Case: ITo-220 molded plastic
- \* Epoxy: Device has UL flammability classification 94V-O
- \* Lead: MIL-STD-202E method 208C guaranteed
- \* Mounting position: Any \* Weight: 2.24 grams

#### 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%.



#### MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	ISR20200	ISR20300	ISR2035	CISR2040C	ISR2045C	ISR2050C	ISR2060C	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	35	40	45	50	60	Volts
Maximum RMS Voltage	VRMS	14	21	25	28	32	35	42	Volts
Maximum DC Blocking Voltage	VDC	20	30	35	40	45	50	60	Volts
Maximum Average Forward Rectified Current at Derating Case Temperature	Ю	20						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	150					Amps		
Typical Thermal Resistance (Note 1)	RθJC	3					°C/W		
Typical Junction Capacitance (Note 3)	CJ	700 500			00	pF			
Operating Temperature Range	TJ	-55 to + 150						°C	
Storage Temperature Range	Tstg	-55 to + 150						°C	

#### ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

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0		CHARACTERISTICS		SYMBOL	ISR2020C ISR2030C ISR203	50 ISR20400 ISR20450	ISR2050C ISR2060C	UNITS	
0		daximum Instantaneous Forward Voltage at 10.0	VF	.65	.75	Volts			
,	1	faximum Average Reverse Current	@Tc = 25°C	2	10				
2	4	Rated DC Blocking Voltage	@Tc = 100°C	IK IK	100				

# RATING AND CHARACTERISTIC CURVES (ISR2020C THRU ISR2060C)

