

SCHOTTKY BARRIER RECTIFIERS

REVERSE VOLTAGE - 40 Volts FORWARD CURRENT - 20 Amperes

FEATURES

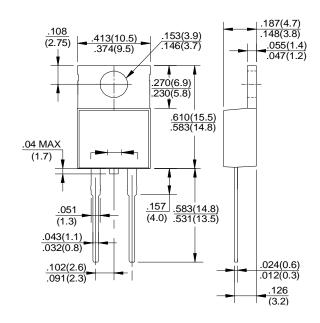
- Metal of silicon rectifier, majority carrier conduction
- Guard ring for transient protection
- Low power loss, high efficiency
- High current capability, low VF
- High surge capacity
- Plastic package has UL flammability classification 94V-0
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

MECHANICAL DATA

Case: TO-220AC molded plasticPolarity: As marked on the body

• Mounting position : Any

TO-220AC



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

SYMBOL	SDC2040C	UNIT
VRRM	40	V
VRMS	28	V
VDC	40	V
I(AV)	20	А
IFSM	150	A
VF	0.58	V
lR	0.5 50	mA
ReJc	1.5	°C/W
TJ	-55 to +200	°C
Тѕтс	-55 to +200	°C
	VRRM VRMS VDC I(AV) IFSM VF IR RØJC TJ	VRRM 40 VRMS 28 VDC 40 I(AV) 20 IFSM 150 VF 0.58 IR 0.5 50 Reuc TJ -55 to +200

NOTES:1.300us pulse width,2% dudy cycle.

2. Thermal Resistance Junction to case(without heatsink).



