急出货



SR3020PT THRU SR3060PT

30.0 AMPS. Schottky Barrier Rectifiers



Voltage Range 20 to 60 Volts Current 30.0 Amperes

Features

- Dual rectifier construction, positive center-tap
- Plastic package has Underwriters Laboratory Flammability Classifications 94V-0
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- High current capability, low VF
- \diamond High surge capability
- Epitaxial construction
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications
- High temperature soldering guaranteed: 250°C/10seconds,0.17"(4.3mm)lead lengths at 5 lbs., (2.3kg) tension

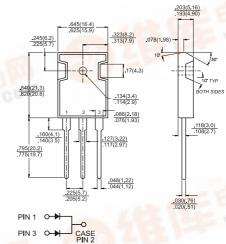
Mechanical Data

- Cases: JEDEC TO-3P/TO-247AD molded plastic
- \diamond Terminals: Leads solderable per MIL-STD-750, Method 2026
- Polarity: As marked
- Mounting position: Any

df.dzsc.com

Weight: 0.2 ounce, 5.6 grams

TO-3P/TO-247AD



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating 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%

SR3020PT	SR3030PT	SR3040PT	SR3050PT	SR3060PT	Units
20	30	40	50	60	V
14	21	28	35	42	V
20	30	40	50	60	V
		30	44	E VE	Α
151	四周	275	9 =1		Α
511	0.55		0.	70	V
1.0				mA	
75				mΑ	
1.5				°C/W	
750 500			00	pF	
-65 to +125 -65 to +150			+150	°C	
-65 to +150				°C	
	20 14 20	SR3020PT SR3030PT 20 30 14 21 20 30 0.55 750 -65 to +125	SR3020PT SR3030PT SR3040PT 20 30 40 14 21 28 20 30 40 30 275 0.55 1.0 75 1.5 750 -65 to +125	SR3020PT SR3030PT SR3040PT SR3050PT	SR3020PT SR3030PT SR3040PT SR3050PT SR3060PT 20 30 40 50 60 14 21 28 35 42 20 30 40 50 60 30 275 1.0 75 1.5 750 500 -65 to +150

otes: 1. Thermal Resistance from Junction to Case Per Leg.

2. Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.

3300 us Pulse Width, 2% Duty Cycle



RATINGS AND CHARACTERISTIC CURVES (SR3020PT THRU SR3060PT)

FIG.1- FORWARD CURRENT DERATING CURVE

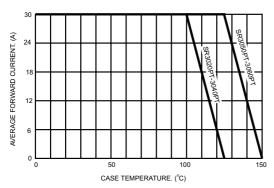


FIG.2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER LEG

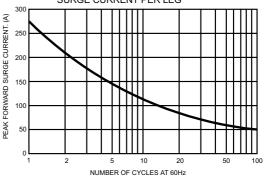


FIG.3- TYPICAL REVERSE CHARACTERISTICS

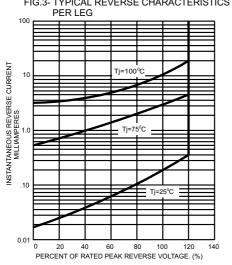


FIG.4- TYPICAL FORWARD CHARACTERISTICS

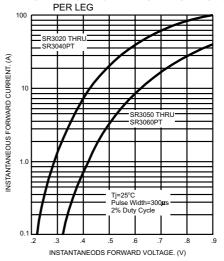


FIG.5- TYPICAL JUNCTION CAPACITANCE PER LEG

