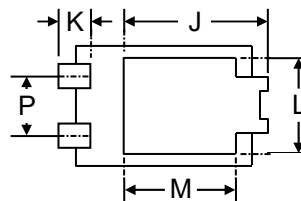
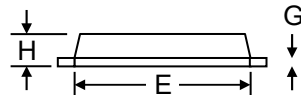
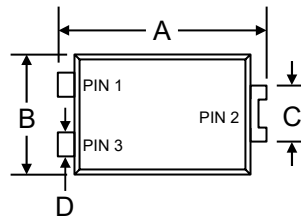


Features

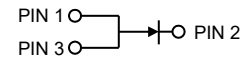
- **Schottky Technology**
- **Low Profile Flatpack 1.1mm Case Height**
- Extremely Fast Switching
- Low Forward Voltage Drop
- Low Conduction Losses
- Designed for Surface Mount Application
- Plastic Material – UL Flammability 94V-0

Mechanical Data

- Case: TO-277, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: See Diagram
- Weight: 0.09 grams (approx.)
- Mounting Position: Any
- Marking: Device Code, See Page 3
- **Lead Free: For RoHS / Lead Free Version, Add “-LF” Suffix to Part Number, See Page 4**



TO-277		
Dim	Min	Max
A	6.40	6.60
B	3.80	4.30
C	1.70	1.90
D	0.80	1.00
E	5.20	5.80
G	0.33	0.43
H	1.00	1.20
J	4.35	4.65
K	0.74	1.10
L	3.10 Typical	
M	3.50	3.70
P	1.90 Typical	
All Dimensions in mm		



Maximum Ratings @T_A=25°C unless otherwise specified

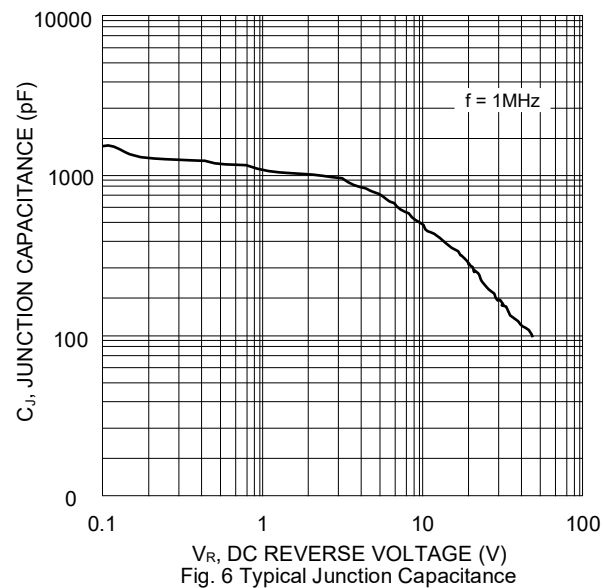
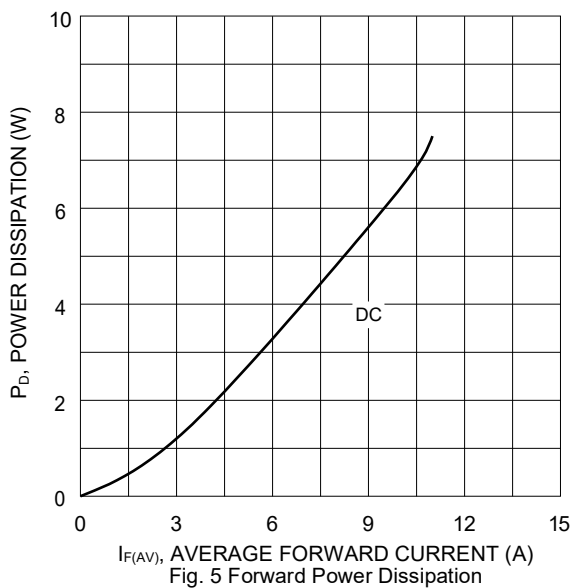
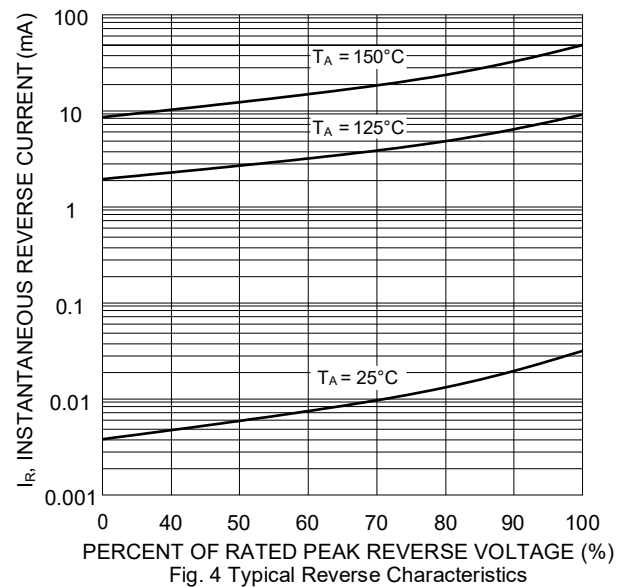
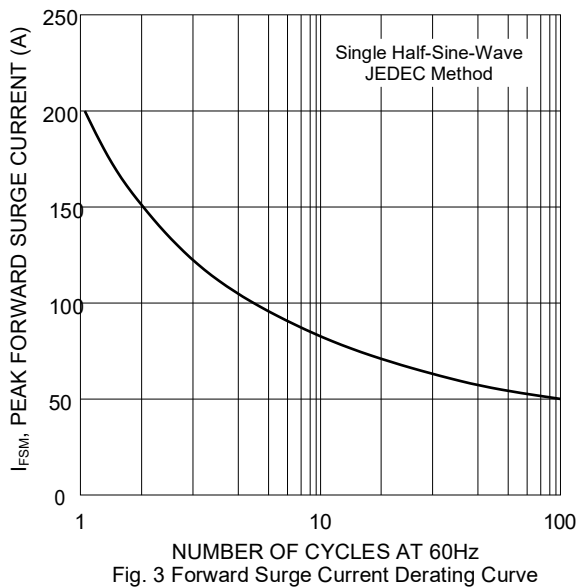
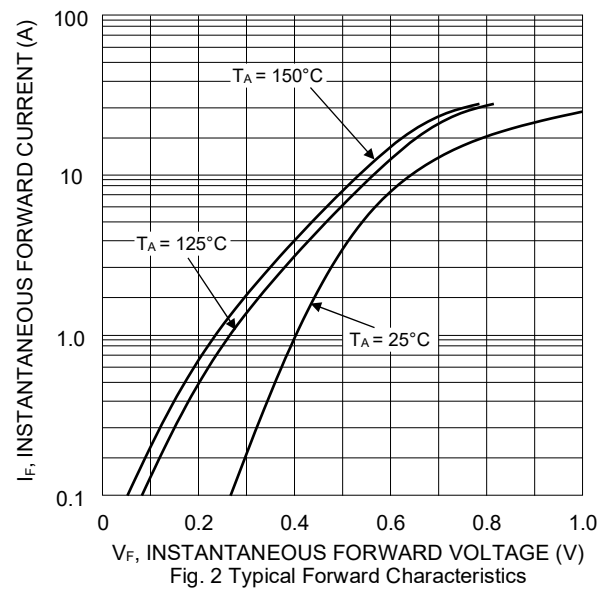
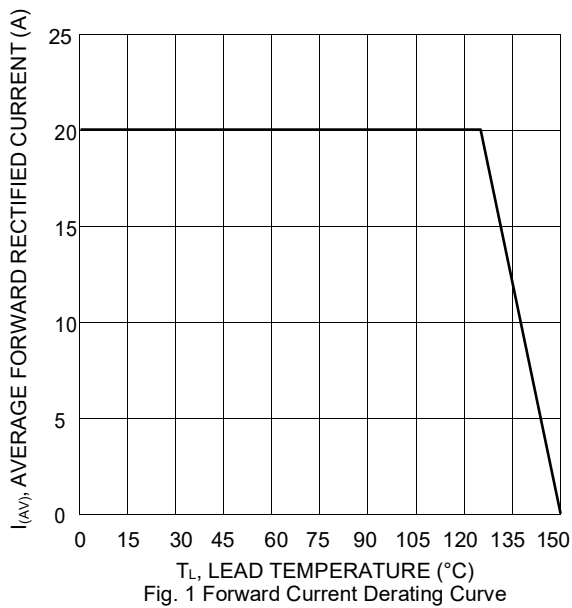
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

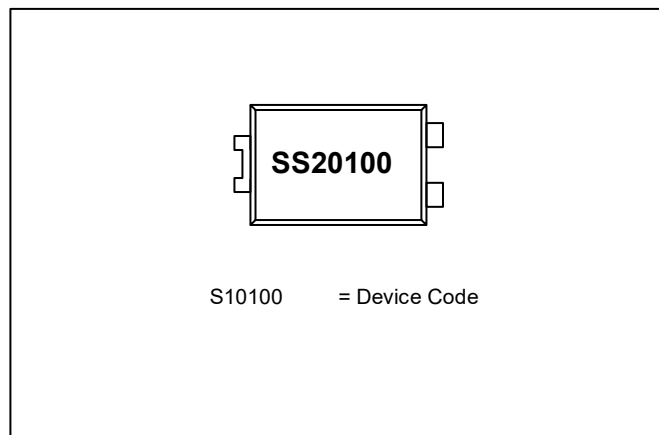
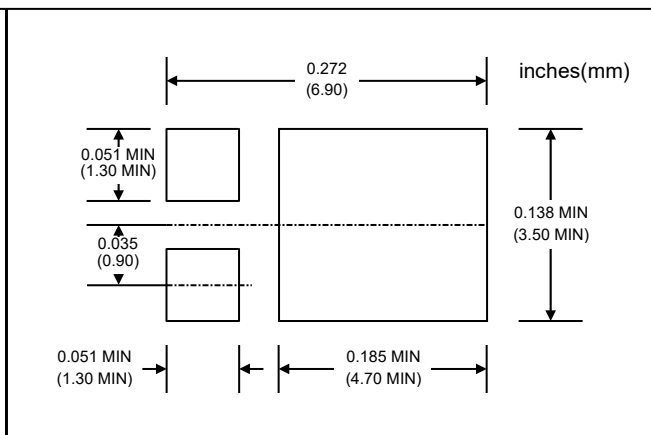
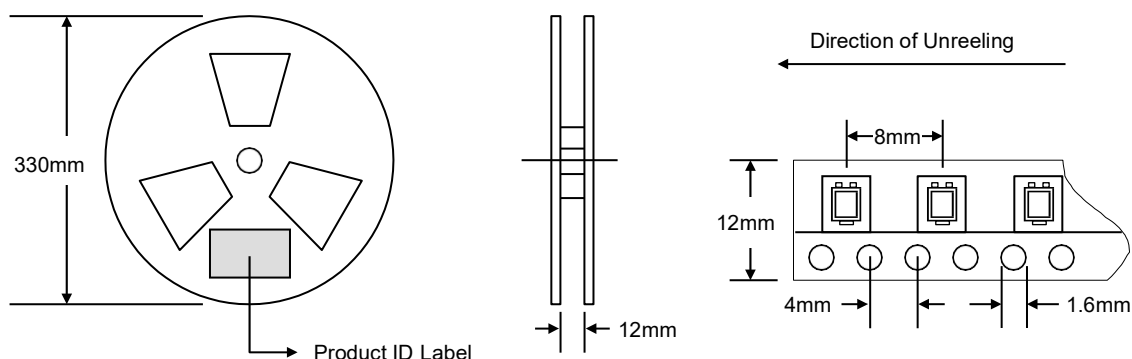
Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	100	V
Average Rectified Output Current (Note 1) @T _L = 125°C	I _O	20	A
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load	I _{FSM}	200	A
Thermal Resistance Junction to Lead (Note 1)	R _{θJL}	3.0	°C/W
Thermal Resistance Junction to Ambient (Note 2)	R _{θJA}	60	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C

Electrical Characteristics @T_A=25°C unless otherwise specified

Characteristic	Test Conditions		Symbol	Typ	Max	Unit
Forward Voltage (Note 3)	I _F = 5.0A	T _A = 25°C	V _F	0.63	—	V
	I _F = 20A			0.80	0.85	
	I _F = 5.0A	T _A = 125°C		0.52	—	
	I _F = 20A			0.56	—	
Reverse Leakage Current (Note 4)	V _R = 100V	T _A = 25°C	I _R	—	0.10	mA
		T _A = 125°C		0.5	—	

- Note: 1. Mounted on aluminum substrate PC board with 30mm x 30mm pad area.
 2. Mounted on FR-4 PC board with minimum recommended pad area.
 3. Pulse width ≤ 300μs, 1% duty cycle.
 4. Pulse width ≤ 40ms.



MARKING INFORMATION

RECOMMENDED FOOTPRINT

PACKAGING INFORMATION
TAPE & REEL


Reel Diameter (mm)	Quantity (PCS)	Inner Box Size L x W x H (mm)	Quantity (PCS)	Carton Size L x W x H (mm)	Quantity (PCS)	Approx. Gross Weight (KG)
330	3,000	340 x 337 x 45	6,000	370 x 370 x 420	48,000	18.0

Note: 1. Paper reel, white or gray color.
2. Components are packed in accordance with EIA standard 481-1 and 481-2.