

DATA SHEET

LOW VF SCHOTTKY BARRIER RECTIFIERS

VOLTAGE 150 Volts

CURRENT 20.0 Amperes

ITO-220AB

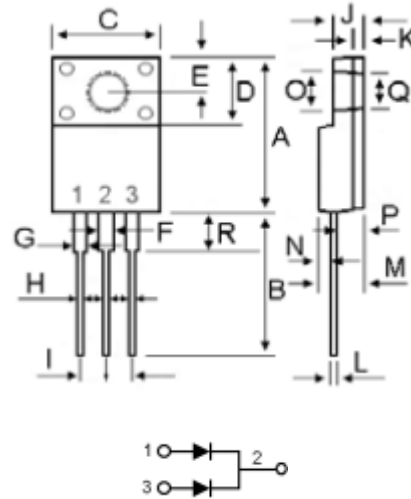
Unit:mm

FEATURES

- Low Switching noise.
- High Current Capacity
- Guard-Ring for Stress Protection.
- Low Power Loss & High efficiency.
- Low Forward Voltage.

MECHANICAL DATA

- Case: Molded Plastic
- Polarity: Symbols molded or marked on body
- Mounting position : Any



DIM	MILLIMETERS	
	MIN	MAX
A	15.67	16.07
B	12.90	13.30
C	9.96	10.36
D	6.50	6.90
E	2.65	2.75
F	1.20	1.24
G	1.26	1.46
H	0.70	0.90
I	2.34	2.74
J	2.32	2.72
K	0.60	0.90
L	0.45	0.60
M	4.53	4.93
N	1.30	1.70
O	3.35	3.45
P	2.56	2.96
Q	3.15	3.25
R	2.20	2.45

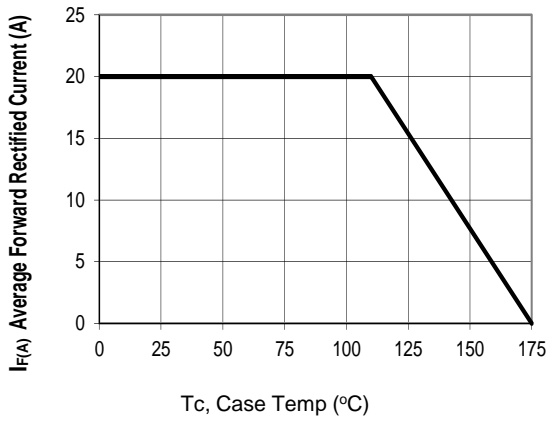
In compliance with EU RoHs 2002/95/EC directives

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

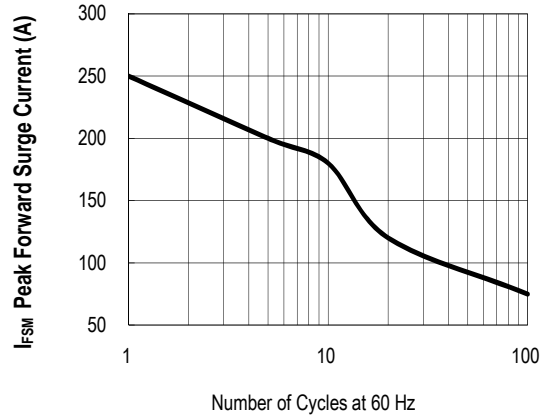
Ratings at 25°C ambient temperature unless otherwise specified.

Characteristic	Symobl	P20L150FCT	Unit
Peak Repetitive Reverse Voltage	VRRM		
Working Peak Reverse Voltage	VRWM	150	V
DC Blocking Voltage	VR		
Maximum RMS Voltage	VRMS	105	V
Maximum Average Forward Rectified Current	I (AV)	20	A
Non-Repetitive Peak Surge Current (Surge applied at rate load conditions halfware, single phase, 60Hz)	IFSM	250	A
Maximum forward voltage	IF=10A	TJ= 25°C	0.81
		TJ= 125°C	0.75
Maximum DC Reverse Current at Rated DC Blocking Voltage	@TC=25°C	@TC=125°C	0.50
			100
Typical Thermal Resistance	ROJC	2.0	°C/W
Operating Temperature Range	TJ	-65to+150	°C
Storage Temperature Range	TSTG	-65to+150	°C

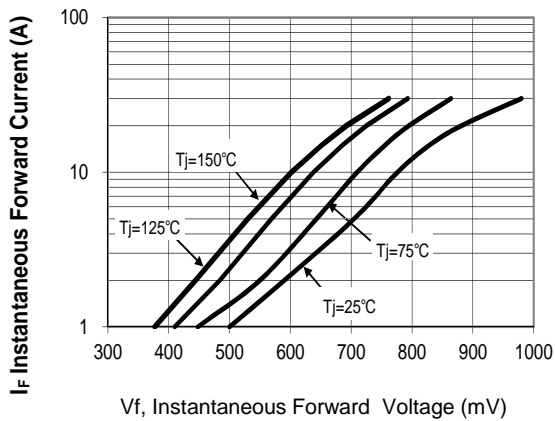
FORWARD CURRENT DERATING CURVE



MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



TYPICAL FORWARD CHARACTERISTIC



TYPICAL REVERSE CURRENT

