OCENME

P10L100FCT

DATA SHEET

SCHOTTKY BARRIER RECTIFIERS

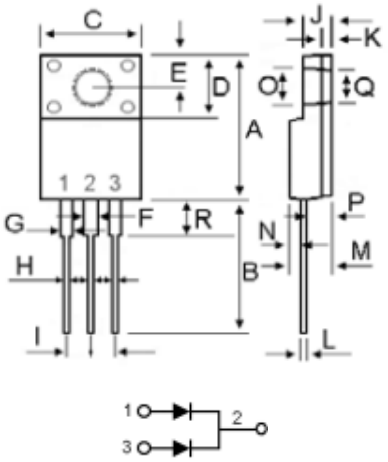
VOLTAGE	100 Volts	CURRENT	10.0 Amperes	ITO-220AB	Unit:mm

FEATURES • Low Forward Voltage.

- Low Forward Voltage Drop.
- Reliable High Temperature Operation
- Softest, fast switching capability.
- 175℃ Operating Junction Temperature

MECHANICAL DATA

- Case:ITO-220AB 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℃ambient temperature unless otherwise specified.

Characteristic			Symobl	P10L100FCT	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage			VRRM VRWM VR	100	V
Maximum RMS Voltage			VRMS	70	V
Maximum Average Forward Rectified Current			I(AV)	10	A
Non-Repetitive Peak Surge Current (Surge applied at rate load conditions halfware, single phase, 60Hz)			IFSM	150	A
Maximumforwardvoltage	IF=5A	TJ= 25℃	VF	0.72	V
		TJ= 125℃		0.60	
Maximum DC Reverse Current @TC=25℃ at Rated DC Blocking Voltage @TC=125℃			IR	0.2 100	MA
Typical Thermal Resistance			ROJC	3.8	℃/W
Operating Temperature Range			TJ	-65to+175	℃
Storage Temperature Range			TSTG	-65to+175	℃

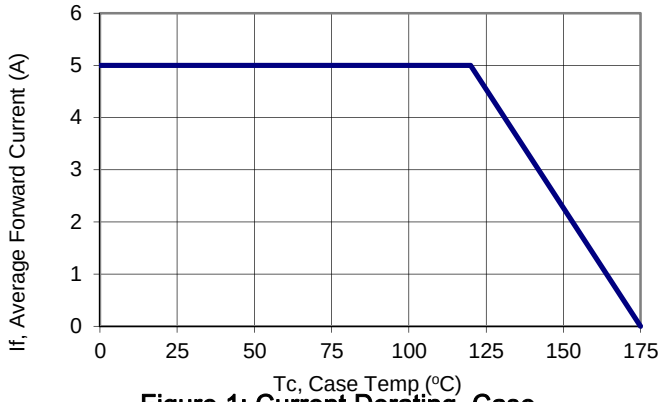


Figure 1: Current Derating, Case

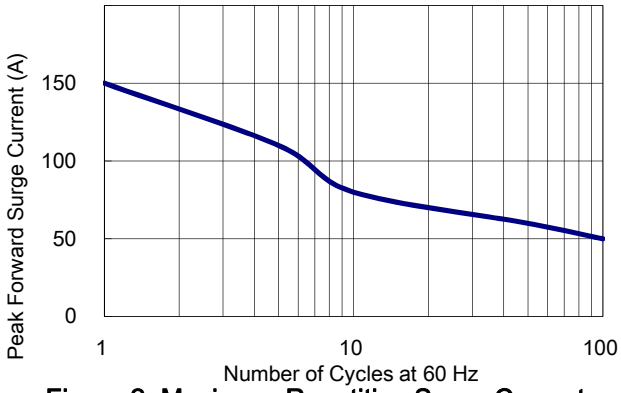


Figure 2: Maximum Repetitive Surge Current

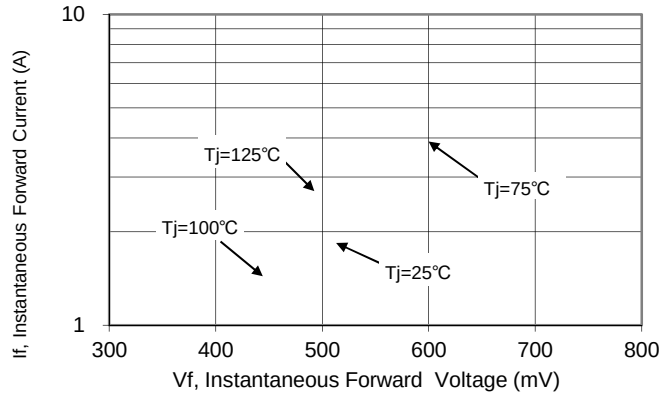


Figure 3: Typical Forward Voltage

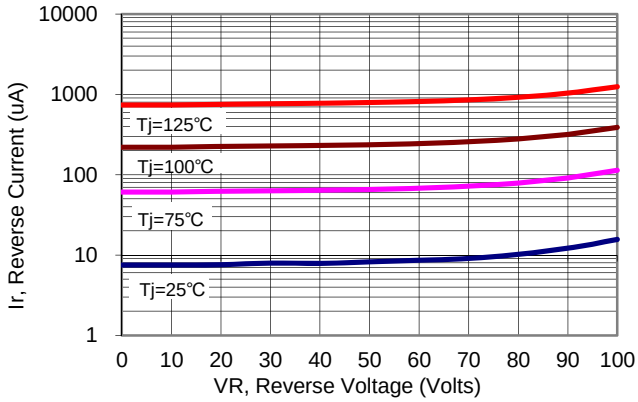


Figure 4: Typical Reverse Current

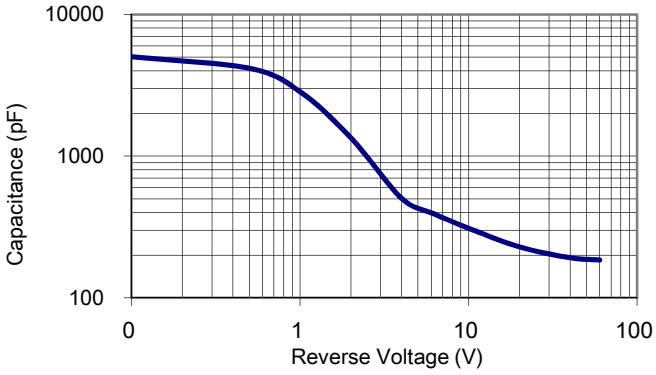


Figure 5: Typical Junction Capacitance