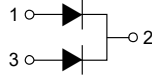
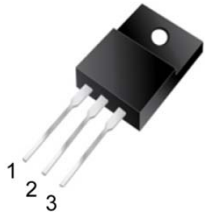




Excellent Schottky Barrier Rectifiers



ITO-220AB

Primary Characteristics

I_F	20	A
V_{RRM}	45	V
I_{FSM}	150	A
$I_F=10A @ V_F$	0.53	V
$T_J \text{ max}$	150	°C

Features

- Low Forward Voltage Drop
- Excellent High Temperature Stability
- Excellent Barrier Rectifier Technology
- Soft, Fast Switching Capability

Mechanical Data

- Case : ITO-220AB
- Case Material : Molded Plastic, UL Flammability Classification Rating 94V-0
- Terminals : Matte Tin Finish Annealed Over Copper Leadframe. Solderable per MIL-STD-202, Method 208

Ordering Information

Part No.	Remark	Package	Packing
EBRP20L45FCT	RoHS Compliant	ITO-220AB	50 / Tube
EBRP20L45FCT-H	Halogen Free		

Maximum Ratings (TA=25°C unless otherwise noted)

Parameter	Symbol	EBRP20L45FCT	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	45	V
Maximum RMS Voltage	V_{RMS}	31.5	V
Maximum DC Blocking Voltage	V_{DC}	45	V
Maximum Average Forward Rectified Current (Total) (Per Leg)	I_F	20 10	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load	I_{FSM}	150	A
Instantaneous Forward Voltage (Per Diode) $I_F=5A @ 25^\circ C$ $I_F=10A @ 25^\circ C$	V_F	0.38 Typ. 0.53 Max.	V
Reverse Current at Rated DC Blocking Voltage (Per Diode) @ $T_J=25^\circ C$ @ $T_J=125^\circ C$	I_R	0.5 Max. 35 Typ.	mA
Typical Junction Capacitance (NOTE 1)	C_J	860	pF
Typical Thermal Resistance	$R_{\theta JC}$	3	°C/W
Operating Temperature Range	T_J	-55 to +150	°C
Storage Temperature Range	T_{STG}	-55 to +150	°C
Marking Code		P20L45FCT · 20L45FCT	

NOTES :

1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.



Excellent Schottky Barrier Rectifiers

Rating and Characteristics Curves

FIG. 1-Typical Forward Current Derating Curve

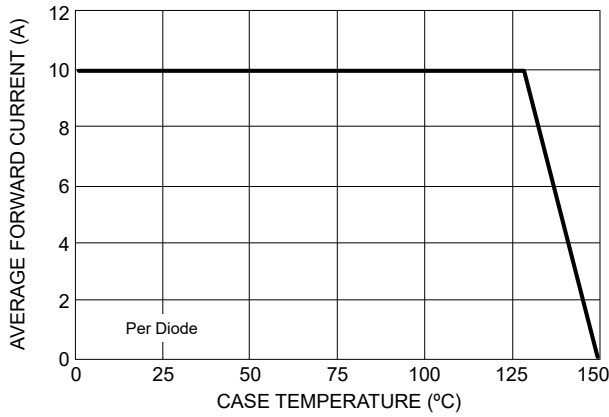


FIG. 2-Typical Forward Characteristics

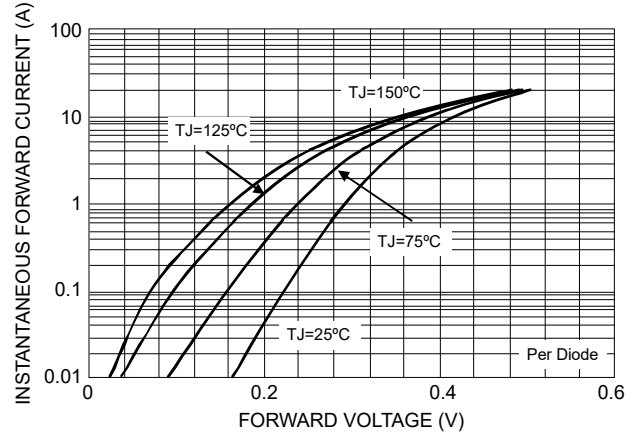


FIG. 3-Typical Junction Capacitance

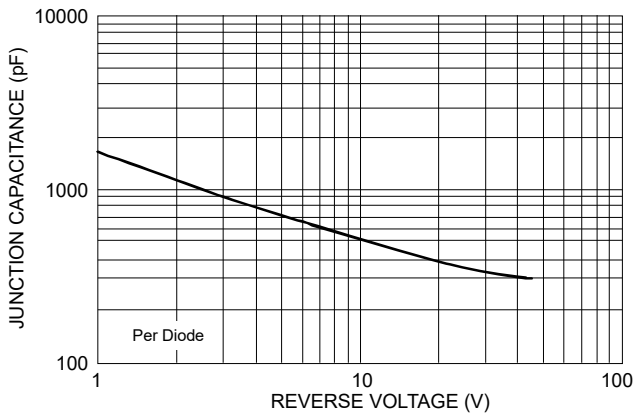
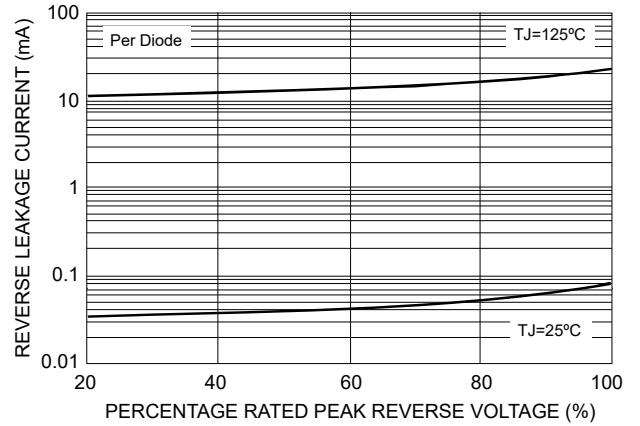


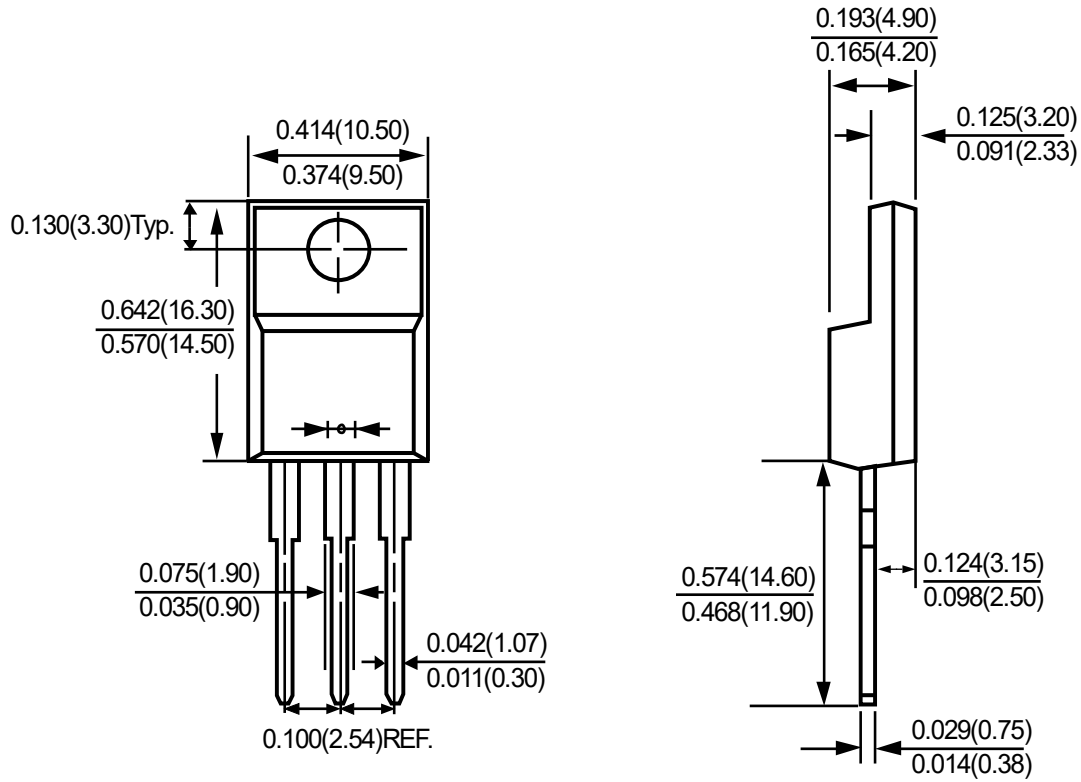
FIG. 4-Typical Reverse Characteristics





Excellent Schottky Barrier Rectifiers

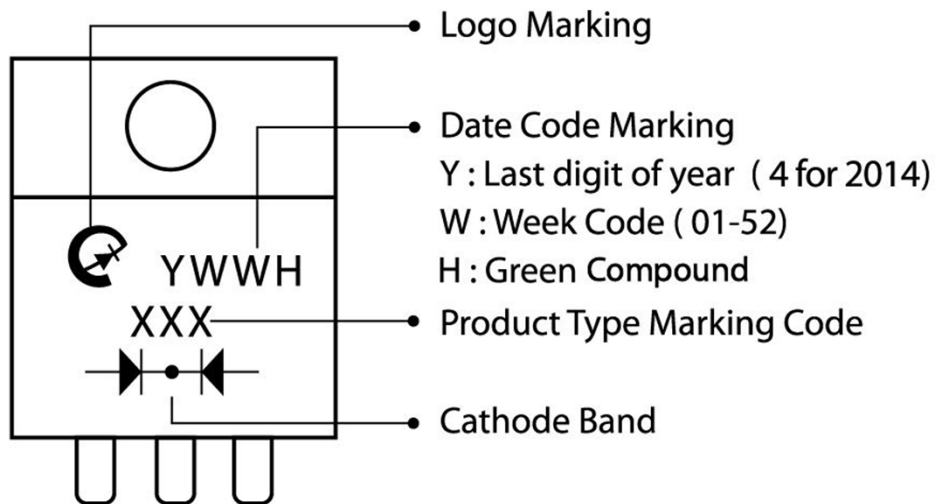
Package Outline Dimensions



ITO-220AB

Dimensions in inches and (millimeters)

Marking Information





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