



YEA SHIN TECHNOLOGY CO., LTD

EBRP30L200CD2

Excellent Schottky Barrier Rectifiers

VOLTAGE - 200 Volts CURRENT - 30Amperes

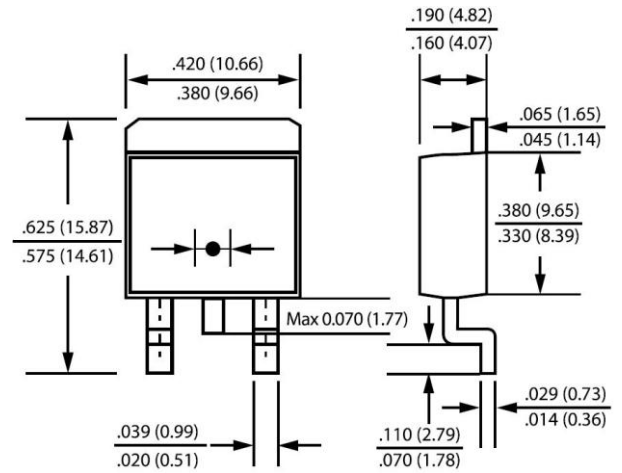


FEATURES

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

MECHANICAL DATA

- Case: TO-263AB
- 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
- Weight: 1.43 grams (approximate)



TO-263AB

Dimensions in inches and (millimeters)

Maximum Ratings (TA=25°C unless otherwise noted)			
PARAMETER	SYMBOL	EBRP30L200CD2	UNIT
Maximum repetitive peak reverse voltage	V_{RRM}	200	V
Maximum RMS voltage	V_{RMS}	140	V
Maximum DC blocking voltage	V_{DC}	200	V
Maximum average forward rectified current (Total) (Per Leg)	I_F	30 15	A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	250	A
Maximum Instantaneous Forward Voltage IF=3A @ 25°C IF=15A @ 25°C	V_F	0.69 Typ. 0.86 Max.	V
Maximum DC Reverse Current @ TA=25°C at Rated DC Blocking Voltage @ TA=125°C	I_R	0.01 1	mA
Typical Junction Capacitance(NOTE1)	C_j	220	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		P30L200CD2、30L200CD2	

NOTES:

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

DEVICE CHARACTERISTICS

EBRP30L200CD2

Rating and Characteristics Curves

FIG. 1-Typical Forward Current Derating Curve

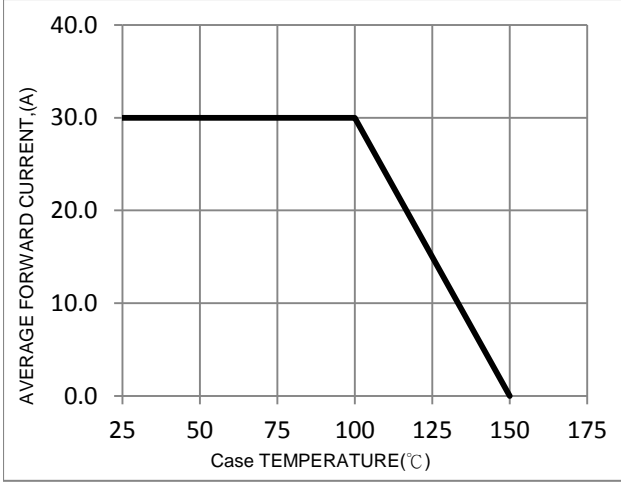


FIG. 2-Typical Forward Characteristics

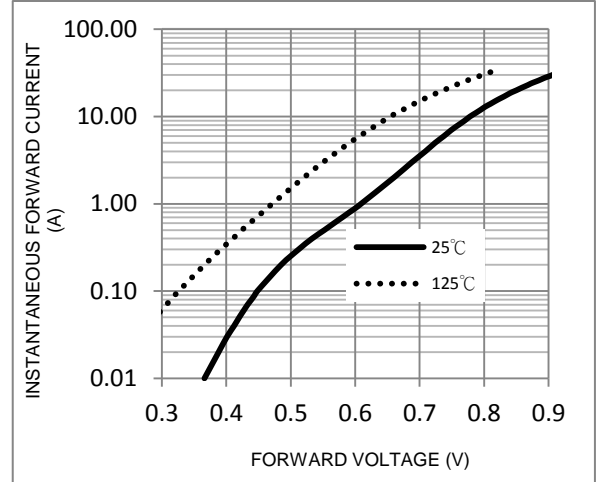


FIG. 3-Maximum Non-Repetitive Forward Surge Current

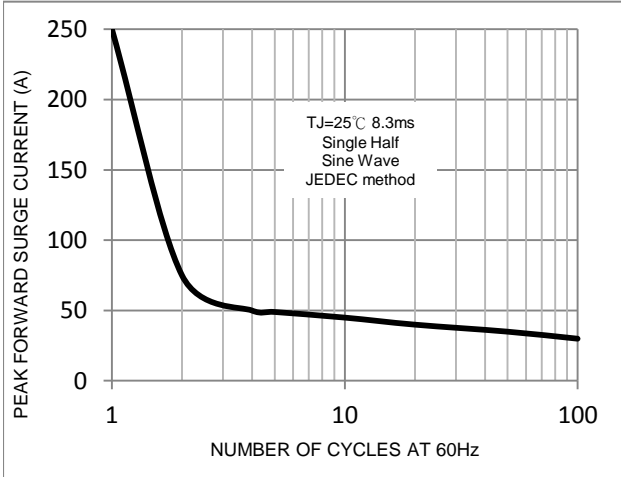


FIG. 4-Typical Reverse Characteristics

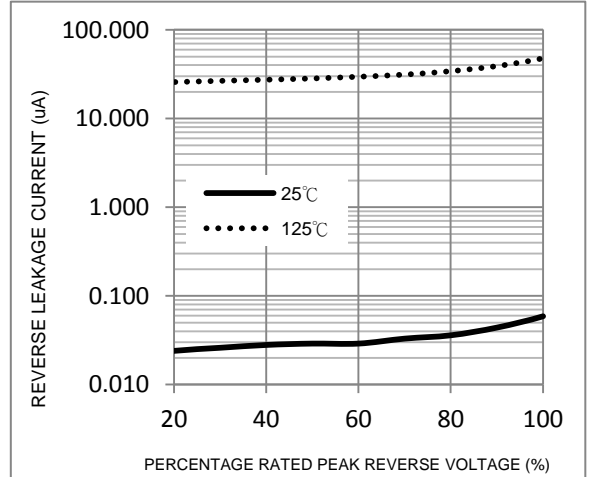


FIG. 5-Typical Junction Capacitance

