



MBRL20120FCT

Schottky Diodes

Features

e

n

c

enhanced mechanical strength and moisture resistance
Guard ring for enhanced rugged
rating, RoHS-compliant

| | | | |
|---|-----------|--------|--------------|
| Device marking code | | | MBRL20120FCT |
| Repetitive Peak Reverse Voltage | V_{RRM} | V | 120 |
| Average Rectified Output Current @60Hz sine wave, R-load, $T_c=116$ | I_o | A | 20 |
| Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, $T_a=25$ | I_{FSM} | A | 200 |
| Current Squared Time @1ms t 8.3ms $T_j=25$ | I^2t | A^2s | 166 |
| Storage Temperature | T_{stg} | | -55 ~ +150 |
| Junction Temperature | T_j | | |

MBRL20120FCT

Thermal Characteristics $T_a=25$ Unless otherwise specified

| PARAMETER | | SYMBOL | UNIT | MBRL20120FCT |
|--------------------|---------------------------|-----------|------|--------------|
| Thermal Resistance | Between junction and case | R_{J-C} | /W | 2.0 |

Ordering Information (Example)

| PREFERED P/N | UNIT WEIGHT(g) | MINIIMUM PACKAGE(pcs) | INNER BOX QUANTITY(pcs) | OUTER CARTON QUANTITY(pcs) | DELIVERY MODE |
|--------------|-----------------|-----------------------|-------------------------|----------------------------|---------------|
| MBRL20120FCT | Approximate 1.9 | 50 | 1000 | 5000 | Tube |

Characteristics (Typical)

FIG1: I_o -Tc Curve

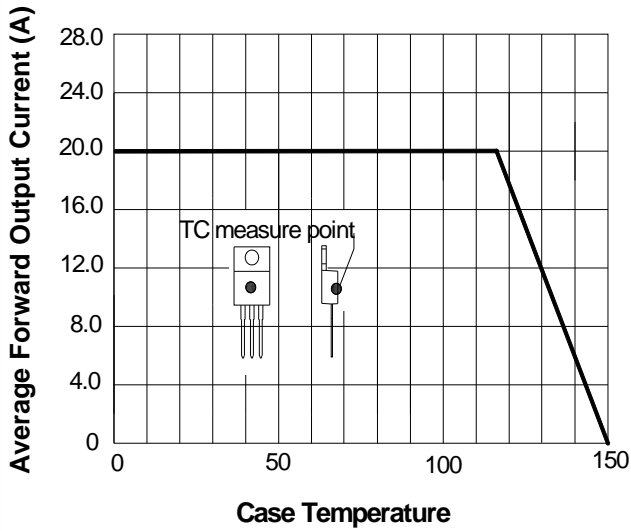


FIG2: Surge Forward Current Capability

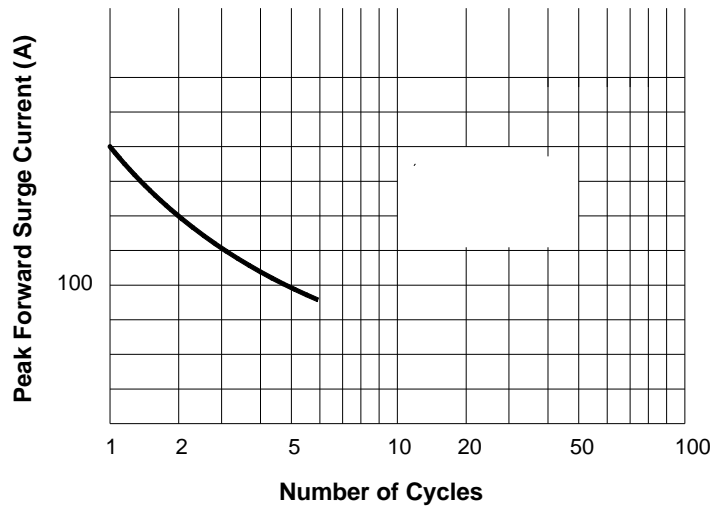
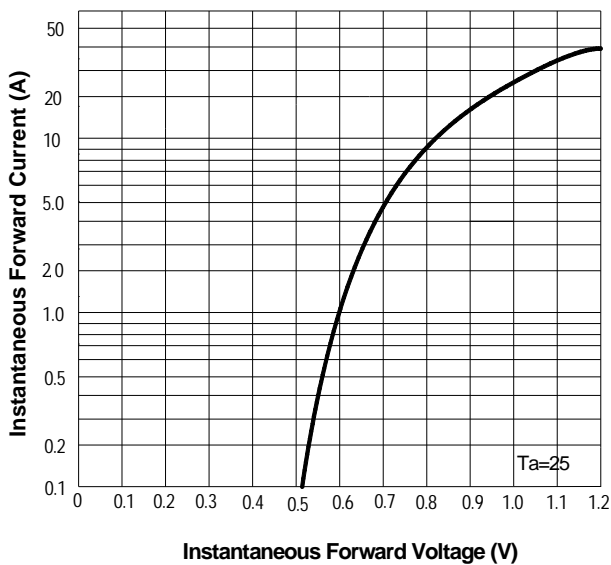


FIG3: Forward Voltage





Outline Dimensions