

Surface Mount Schottky Power Rectifier SMA/SMB Power Surface Mount Package

MBRS2H100T3G,
NBRS2H100T3G,
NBRS2H100NT3G,
MBRA2H100T3G,
NRVBA2H100T3G,
NRVBA2H100NT3G

This device employs the Schottky Barrier principle in a metal-to-silicon power rectifier. Features epitaxial construction with oxide passivation and metal overlay contact. Ideally suited for low voltage, high frequency switching power supplies; free wheeling diodes and polarity protection diodes.

Features

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**MBRS2H100T3G, NBR2H100T3G, NBR2H100NT3G, MBRA2H100T3G,
NRVBA2H100T3G, NRVBA2H100NT3G**

TYPICAL CHARACTERISTICS

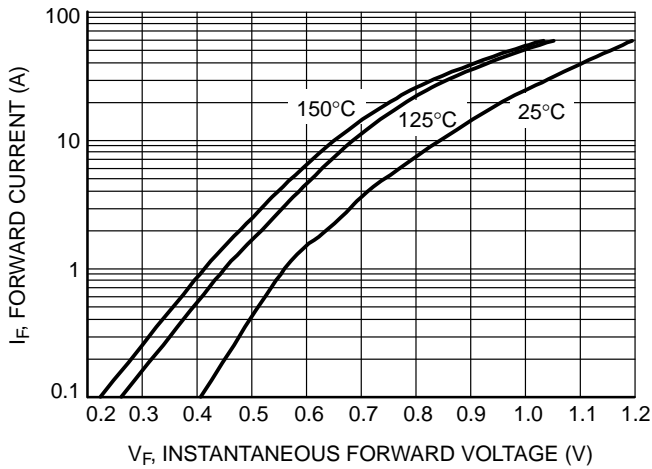


Figure 1. Typical Forward Voltage

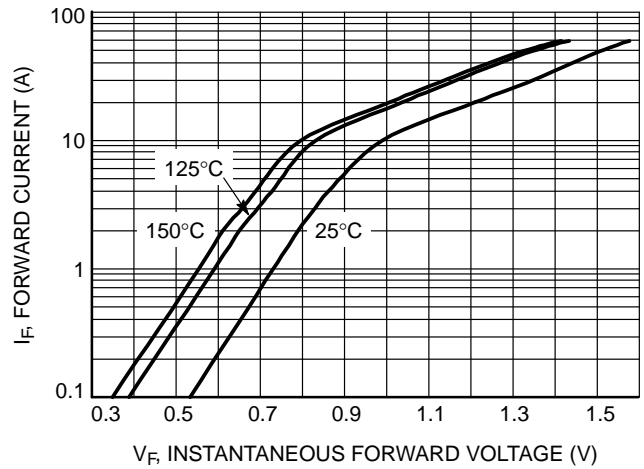


Figure 2. Maximum Forward Voltage

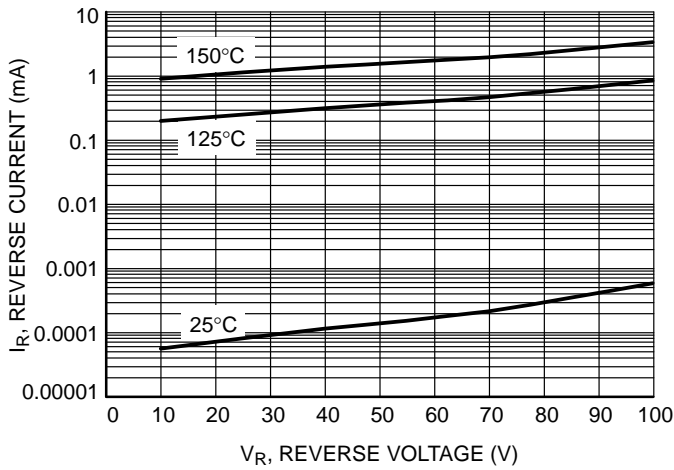


Figure 3. Typical Reverse Current

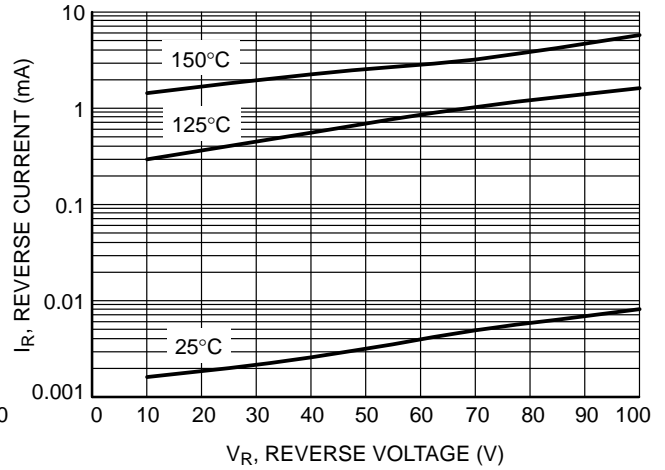
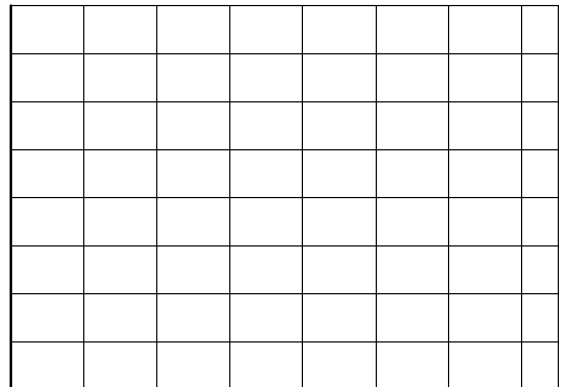
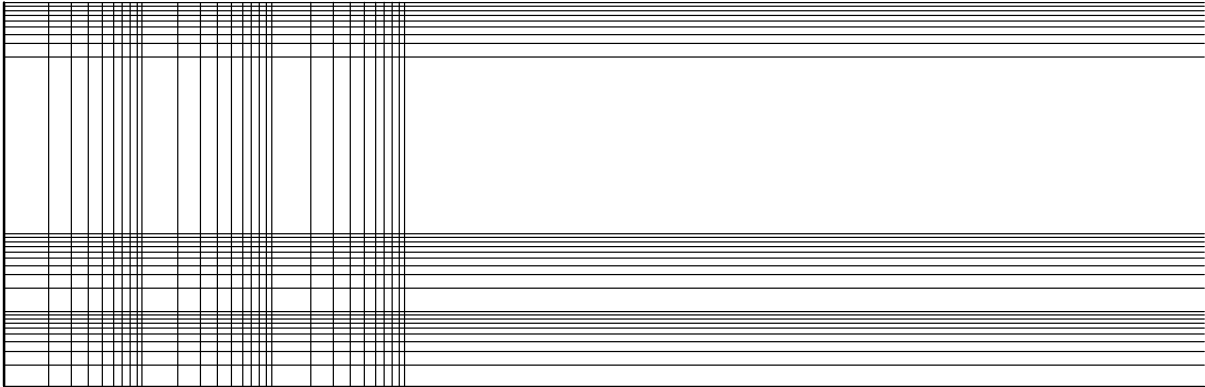


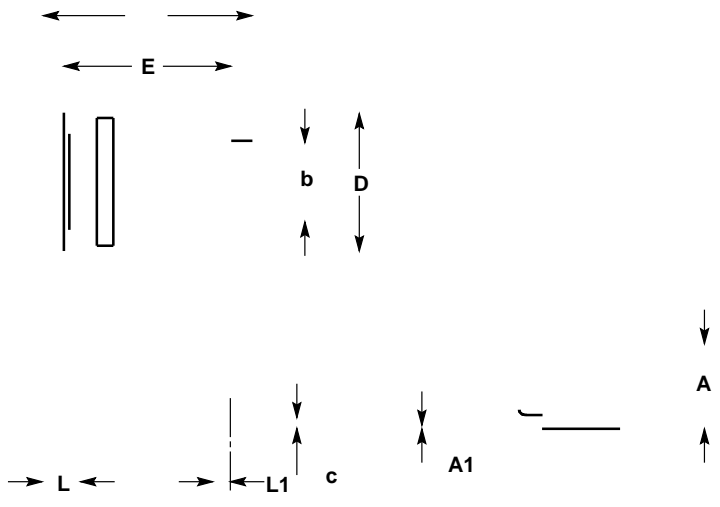
Figure 4. Maximum Reverse Current



**MBRS2H100T3G, NBR2H100T3G, NBR2H100NT3G, MBRA2H100T3G,
NRVBA2H100T3G, NRVBA2H100NT3G**

TYPICAL CHARACTERISTICS





- NOTES:
1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
 2. CONTROLLING DIMENSION: INCH.
 3. DIMENSION b SHALL BE MEASURED WITHIN DIMENSION L1.

AYWW
XXXXX▪
▪

- XXXXX = Specific Device Code
- A = Assembly Location
- Y = Year
- WW = Work Week
- = Pb-Free Package

SMA
CASE 403D
ISSUE J

DATE 22 OCT 2021

SCALE 1:1

XXXX = Specific Device Code
A = Assembly Location
Y = Year
WW = Work Week
▪ = Pb-Free Package

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