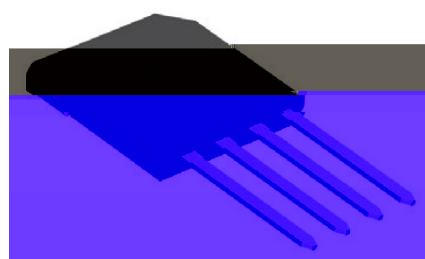
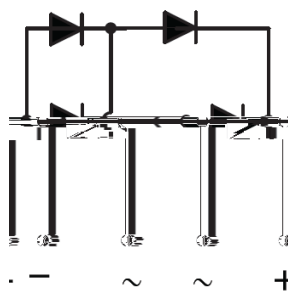


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50~1000V 15.0A GBU



/ h_{FE} Classifications & Marking

/ Absolute Maximum Ratings(Ta=25)

	θ								

/ Electrical Characteristics(Ta=25)

				μ

/ Electrical Characteristic Curve

FIG.1-FORWARD CURRENT DERATING CURVE

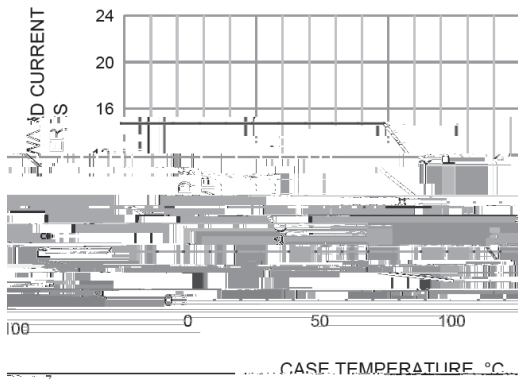
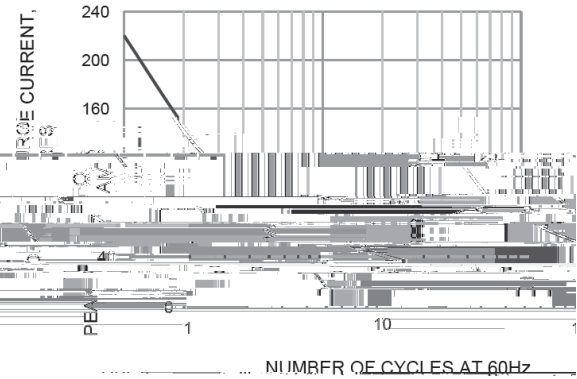


FIG.2-MAXIMUM FOWARD SURGE CURRENT



CAPACITANCE

FIG.4-TYPICAL FORWARD CHARACTERISTICS

FIG.3-TYPICAL JUNCTION CA

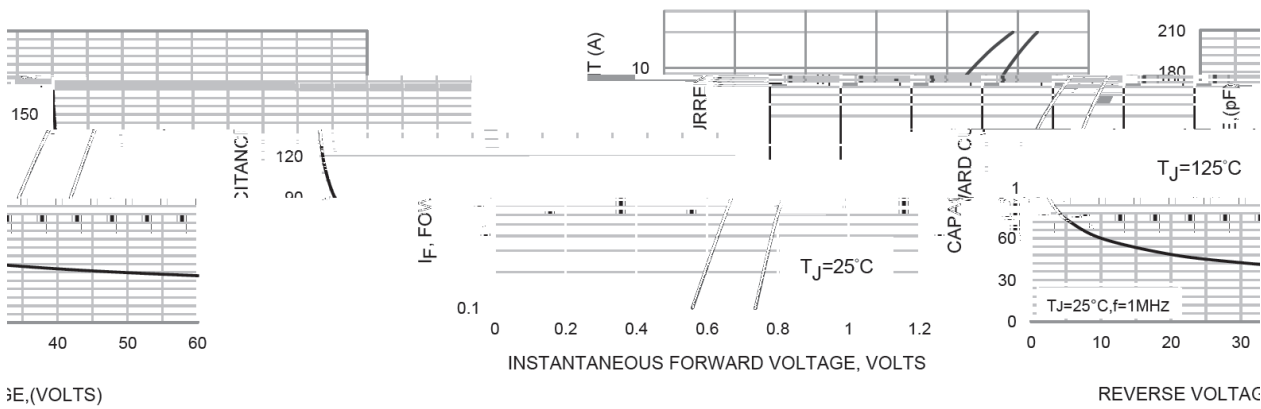


FIG.5-TYPICAL REVERSE CHARACTERISTICS

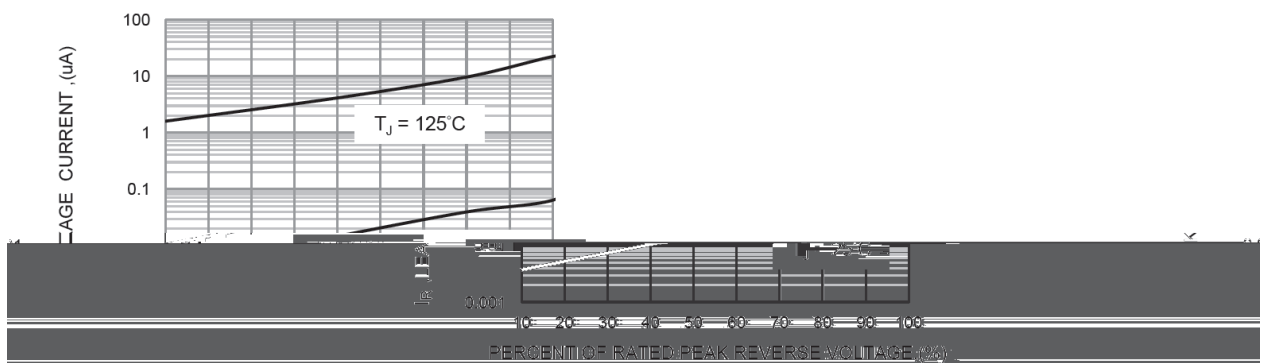


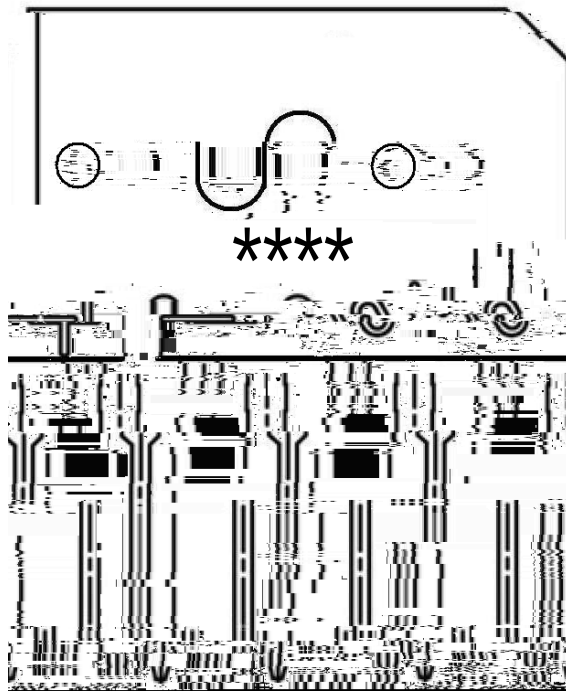
Figure 1: GBU Package Outline Dimensions. The diagram shows a cross-section of a GBU package with the following layers and dimensions:

- Layer A** (dark blue)
- Layer IN** (red)
- Layer IN2** (yellow)
- Layer III** (green)
- Layer** (thick blue)

Dimensions are labeled as follows:

- W**: Width
- L**: Length
- H**: Height
- t1** through **t100**: Various thicknesses of the layers and internal structures.

/ Marking Instructions



GBU15005

Note:

Figure 1 is a line graph showing the temperature profile of the specimen during the test. The y-axis represents Temperature (°C) ranging from 150 to 300. The x-axis represents Time (sec) ranging from 0 to 220. The temperature starts at 150°C at 0 seconds, remains constant until approximately 165 seconds, then rises sharply to 255±5°C. It remains at this temperature for a short duration (indicated by a horizontal line segment) before decreasing back to 150°C by approximately 200 seconds. A heating rate of 0.25°C/sec is indicated. A dwell time of 86 ~ 100 sec is marked at 150°C.

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