GeneSiC™
SEMICONDUCTOR

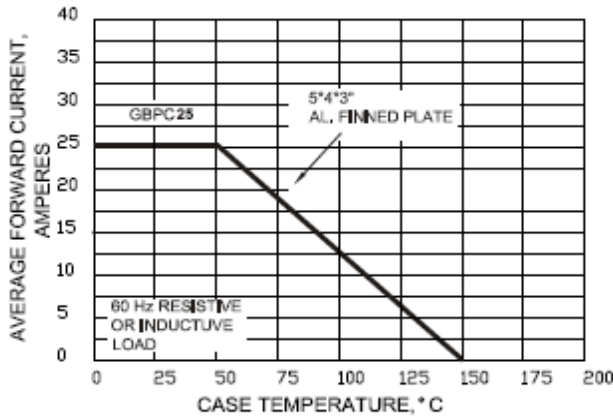FIG.1-MAXIMUM OUTPUT RECTIFIED CURRENT
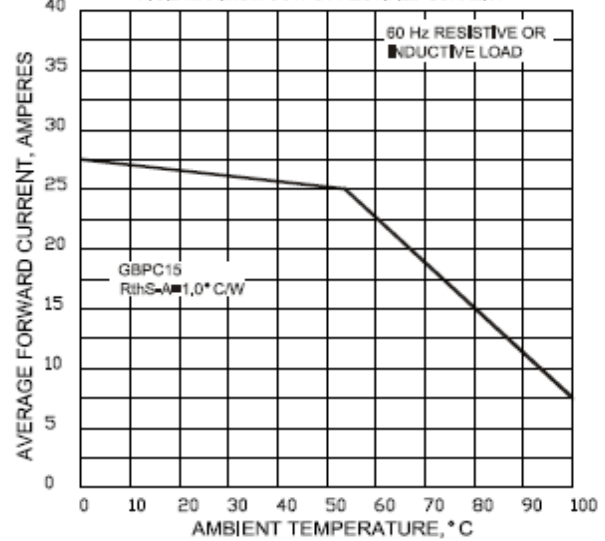

FIG.2-MAXIMUM OUTPUT RECTIFIED CURRENT

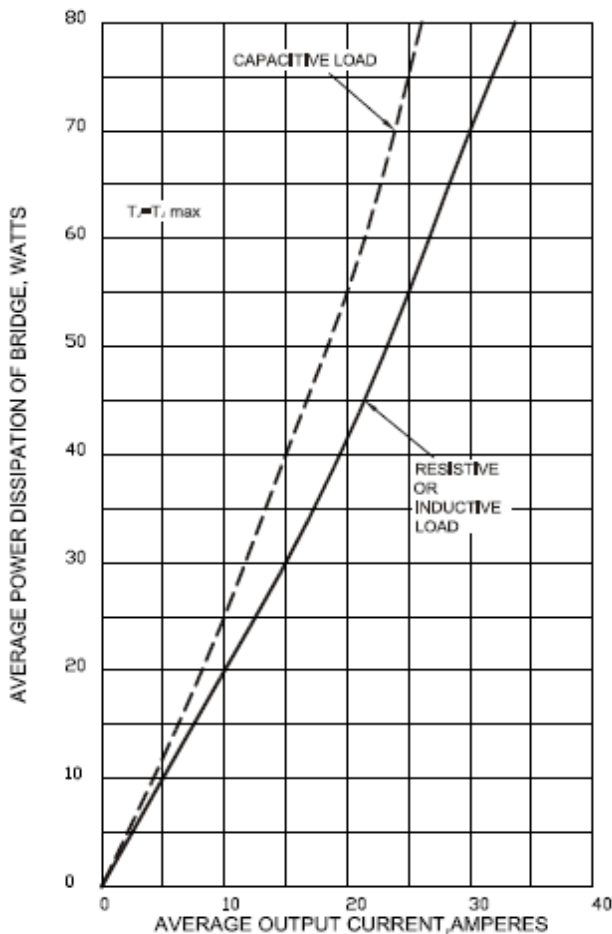FIG.3-MAXIMUM POWER DISSIPATION

FIG.4-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

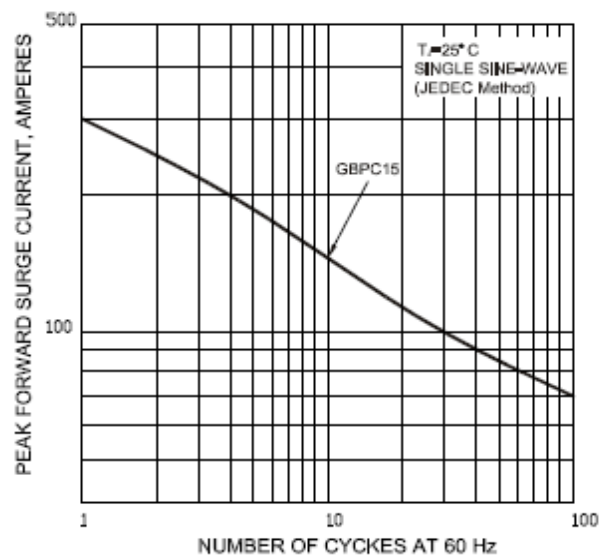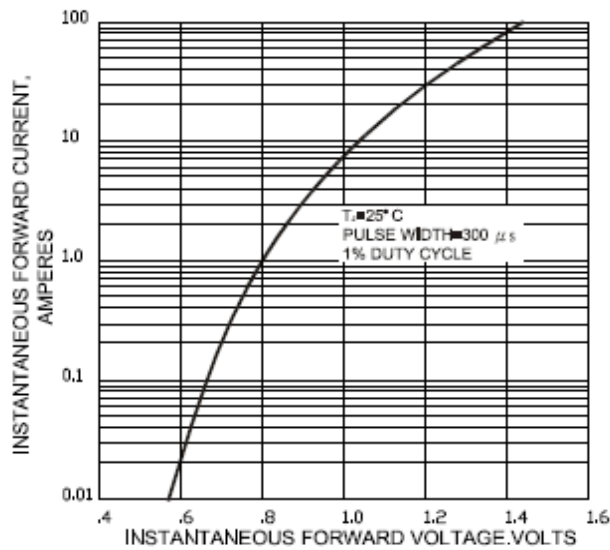FIG.5-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER LEG

T.■25° C
PULSE WIDTH■300 µs
1% DUTY CYCLE

INSTANTANEOUS FORWARD CURRENT, AMPERES

INSTANTANEOUS FORWARD VOLTAGE.VOLTS

FIG.6-TYPICAL REVERSE LEAKAGE CHARACTERISTICS PER LEG

T.■125° C

T.■25° C

INSTANTANEOUS REVERSE CURRENT, MICROAMPERES

PERCENT OF RATED PEAK REVERSE VOLTAGE, %
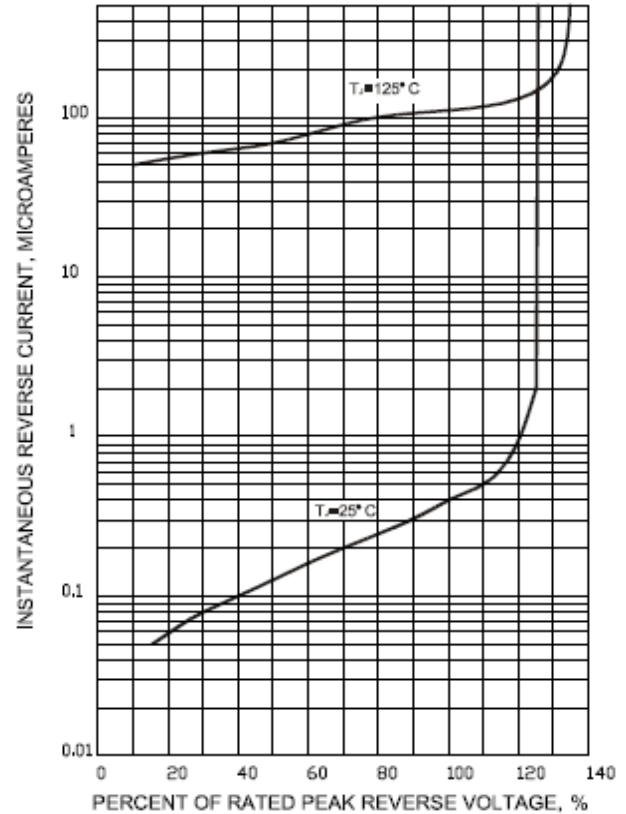
FIG.7-TYPICAL JUNCTION CAPACITANCE PER LEG

T.■25° C
f■1.0 MHz
Vslg■50m Vp-p

JUNCTION. CAPACITANCE,pF

RVERSE VOLTAGE,VOLTS

FIG.8-TYPICAL TRANSIET THERMAL INPEDANCE PER LEG

T.■25° C
f=1.0 MHz
Vslg■50m Vp-p
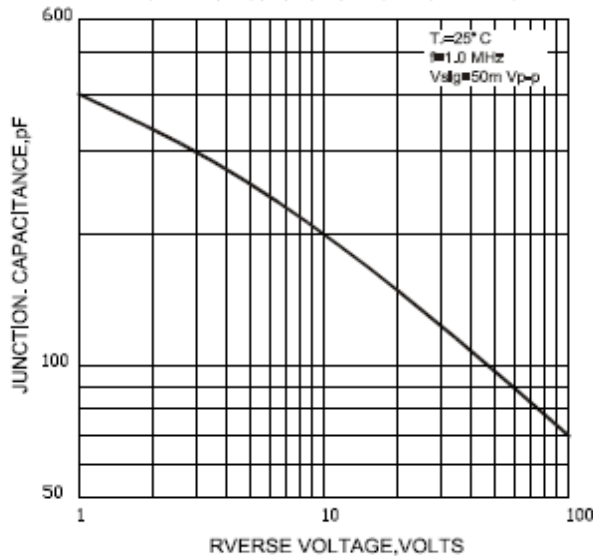
TRANSIENT THERMAL IMPEDANCE, ° C/W

t,HEATING TIME,sec.

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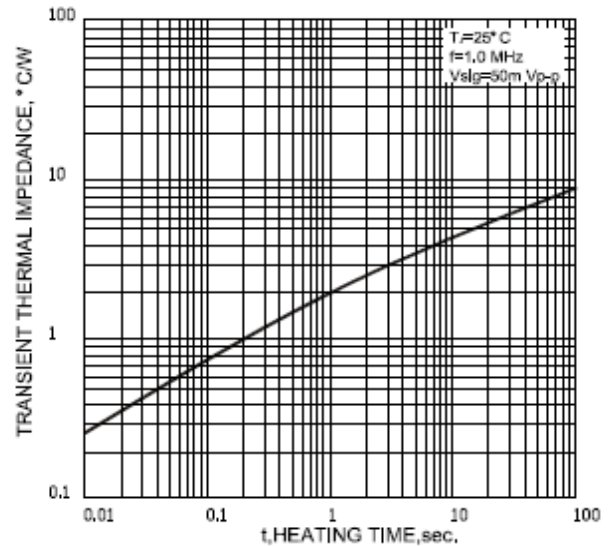
Package dimensions and terminal configuration

Product is marked with part number and terminal configuration.

GBPC-T

Hold for #10 Screw
0.220(5.59)
0.200(5,08)
DIA

1.135(28,8)
1.115(28,3)

0.672(17,1)
0.632(16,1)

AC

+ ~

1.135(28,8)
1.115(28,3)

0.672(17,1)
0.632(16,1)

0.582(14,8)
0.542(13,8)

~ -

0.732(18,6)
0.692(17,6)

0,094(2,4) DIA.

0.034(0,86)
0.030(0,76)

0.254 (6,45)

0.319(8,10)
0.295(7,50)

0.840(21,3)
0.740(18,8)

GBPC-W

Hold for #10 Screw
0,220(5,59)
0,200(5,08)
DIA

1.135(28,8)
1.115(28,3)

0.732(18,6)
0.692(17,6)

- ~

-

1.135(28,8)
1.115(28,3)

0.732(18,6)
0.692(17,6)

- +

0.470(11,9)
0.430(10,9)

0.042(1,07)
0.038(0,97)
DIA

1.25 (31,8) MIN.

0.319(8,10)
0.295(7,50)

Dimensions in inches and (millimeters)

+ ~ ~ —