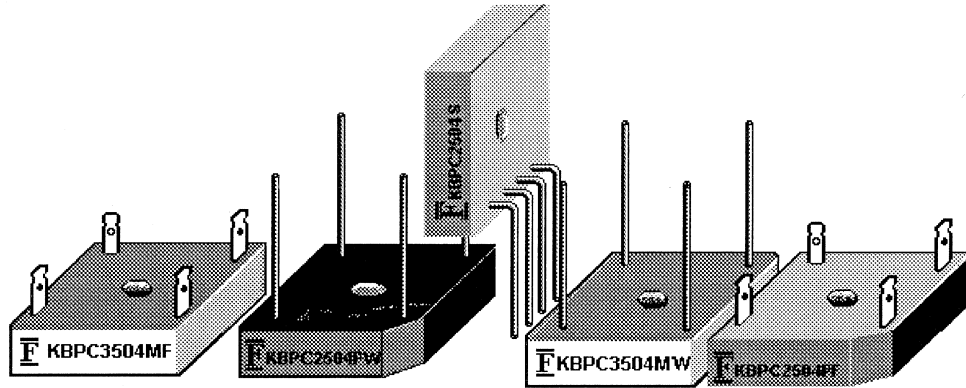


35 Amps Plastic Case Silicon Bridge Rectifiers

Description

Mechanical Dimensions

KBPC3500~3510

**KBPC-PF**

Dimensions in mm

Feature	Mechanical Data
■ Surge overload 400A	■ Case: Molded plastic body over passivated junctions
■ Low forward voltage drop	■ Polarity: Polarity symbols molded on body
■ Mounting Position: Any	■ Terminals: Lead Solderable per MIL-STD-750
■ Electrically isolated base-2000Volts	Method 2026
■ Solderable 0.25" Faston Terminals	■ MountingTorque: 5 in-lbs max
■ Materials used carries U/L recognition	■ Weight: 19.5 grams(Faston); 14.5grams(Wire Lead)

Max Ratings at Ta=25C Unless Otherwise Specified

[illegible]

Rating Characteristic Curves KBPC3500~3510(Ta=25C Unless otherwise noted)

FIG.1-MAXIMUM FORWARD SURGE CURRENT

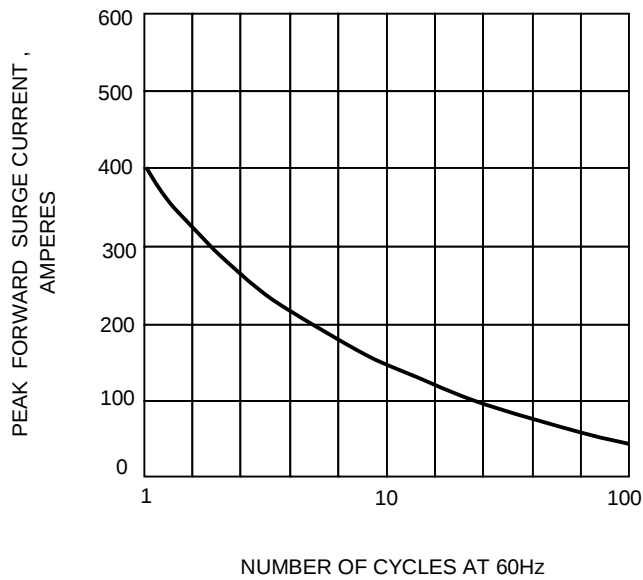


FIG.2- DERATING CURVE OUTPUT
RECTIFIED CURRENT

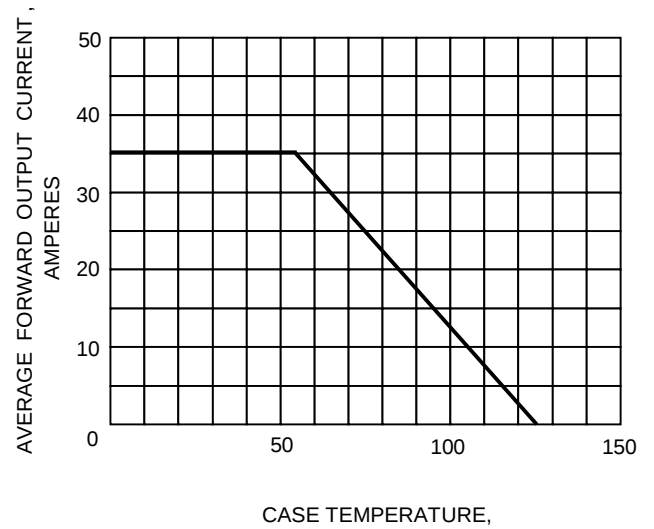


FIG.3-TYPICAL FORWARD CHARACTERISTICS

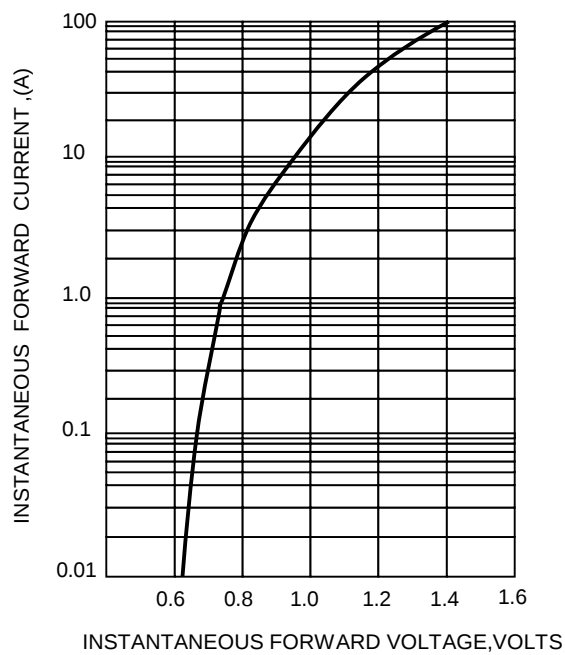
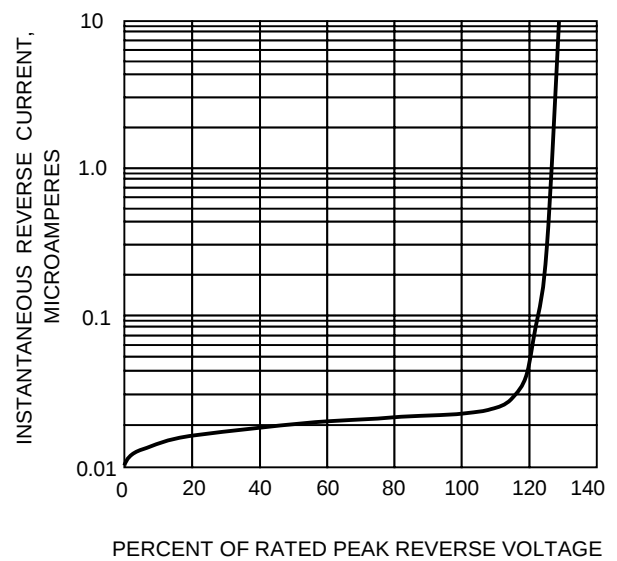
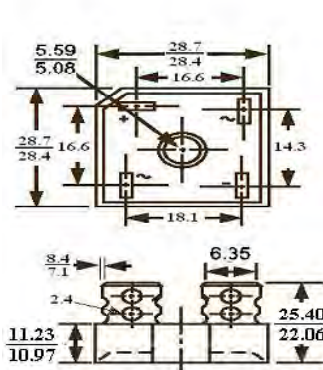


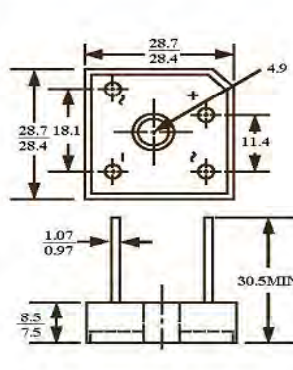
FIG.4-TYPICAL REVERSE CHARACTERISTICS



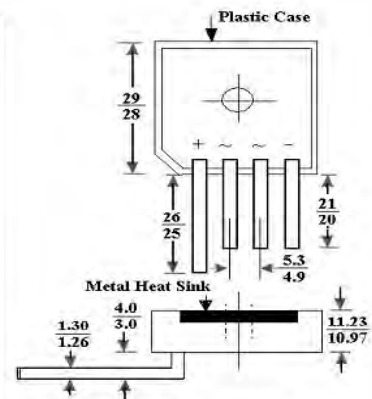
35 Amps Plastic Case Silicon Bridge Rectifiers



Plastic Case
Fastons Terminals

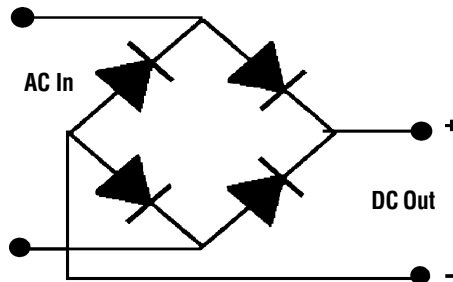


Plastic Case
Wire Leads Terminals



Plastic Case S type
Wire Leads Terminals

KBPC3500~3510



Case - Metal or Molded Plastic

Terminals - Plated .25" Faston or Plated Copper Wire Leads .040" Diameter

Weight - 0.706 Ounces, 20 Grams

Mounting Position - Any with Bolt Down with Silicone Thermal Compound Between Bridge and Mounting Surface for Optimum Heat Transfer

Transfer

Mounting Torque - 20 Inch Pound Max

Ordering Information

FCI'S KBPC Series of Bridges Can Be Ordered with Options on Terminals and Case Materials.

How To Specify Case Material and Terminal Options:

- For Metal Case, Order Suffix (1) "M"
- For Plastic Case, Order Suffix (1) "P"
- For Faston Terminals, Order Suffix (2) "F"
- For Wire Lead Terminals, Order Suffix (2) "W"

KBPC Series Examples

To Order a 25 Amp, 400 Volt Bridge with Faston Leads and a Plastic Case:

Specify - **KBPC2504PF** . . . Where "P" = Plastic and "F" = Faston Terminals

To Order a 35 Amp, 800 Volt Bridge with Wire Leads and a Metal Case:

Specify - **KBPC3508MW** . . . Where "M" = Metal and "W" = Wire Leads (Terminals)

To Order a 15 Amp, 200 Volt, UL Recognized Bridge with Wire Leads and a Plastic Case:

Specify - **KBPC1502PWU** . . . Where "P" = Plastic and "W" = Wire Leads (Terminals) and "U" = UL Recognized

NOTE: Fast Recovery Bridges (Diodes) Are Available; Please Contact FCI Components.

KBPC - "S" Series Examples

To Order Bridges with the "In-Line" Pin Configuration, Select the Current and Voltage Desired and Add "S" as the Suffix, as shown in the following example.

To Order a 35 Amp, 800 Volt Bridge with In-Line Wire Leads:

Specify - **KBPC3508S** . . . Where "S" = In-Line Wire Lead Terminals