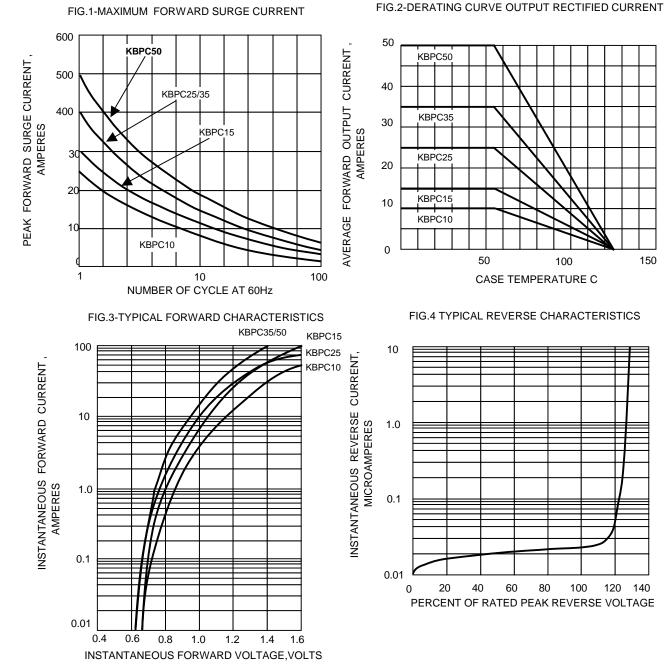


Features

- BUILT-IN INTEGRAL HEAT SINK
- UL RECOGNITION AVAILABLE
- UP TO 400 AMP SURGE OVERLOAD RATING
- OPTION OF WIRE LEADS OR FASTON TERMINALS

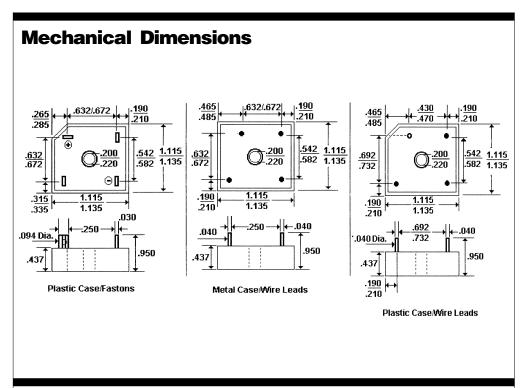
		KBPC10 50XX Series								
Maximum Ratings		-00	-01	-02	-04	-06	-08	-10	-12	
Peak Repetitive Reverse VoltageV		50	100	200	400	600	800	1000	1200	Volts
RMS Reverse VoltageV _{R(rms)}		35	70	140	280	420	560	700	840	Volts
DC Blocking VoltageV _{DC}		50	100	200	400	600	800	1000	1200	Volts
Average Forward Rectified CurrentI _{F(av)}	KBPC10	10							Amp	
	KBPC15	15							Amp	
	KBPC25	25							Amp	
	KBPC35								Amp	
	KBPC40	40						Amp		
	KBPC50				5	0				Amp
Non-Repetitive Peak Forward Surge					_					
CurrentI _{FSM}	KBPC10									Amp
	KBPC15					• • • • • • • • • • • • • • • • • • • •				Amp
	KBPC25					00				Amp
	KBPC35					00 00				Amp
	KBPC40 KBPC50					00 00				Amp
Maximum Farmard Valtage V I/DDC10						.1				Amp
Maximum Forward VoltageV _F KBPC10										Volts
KBPC35 KBPC40						.1				Volts
	$I_{F} = 12.5A$.1				Volts
	$I_{F} = 17.5A$.1				Volts
	$I_{F} = 20.0A$									Volts
	$I_{F} = 25.0A$									Volts
Isolation Voltage Case to LeadsV _{ISO}					25	500				Volts A
Maximum DC Reverse CurrentI _R										
@ Rated DC Blocking Voltage per Leg	$T_A = 25^{\circ}C$				5	.0				μAmp
	$T_A^{\circ} = 125^{\circ}C$				5	00				μAmp
Typical Thermal ResistanceR _{eJC} Junction to Case per Leg					1	.9				°C / V
Typical Junction CapacitanceC _J					3	00				pF
Operating & Storage Temperature Range	T _. , T _{STRG}				55	to150				℃

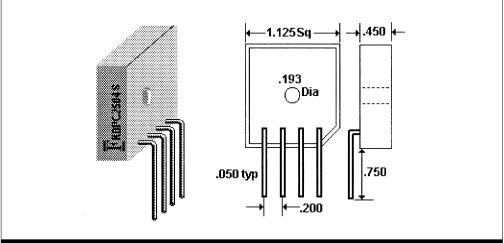




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Ratings at 25 Deg. C ambient temperature unless otherwise specified.

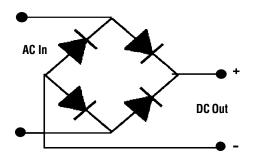
Single Phase Half Wave, 60 HZ Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.

NOTES: 1. Corrosion-Resistant Terminals Designed for .250" Female Quick Connect Wrap Around or Solder.

- A Thin Film of Silicone Thermal Compound is Recommended Between Bridge and Mounting Surface for Improved Thermal Conduction.
- 3. These FČI Bridges Are Also Available in Fast Recovery, In Positive and Negative Center Tap and in Double Configurations. Consult with FCI for Your Special Requirements.





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

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"
- For a UL Recognized Device, Order Suffix (3) "U"

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