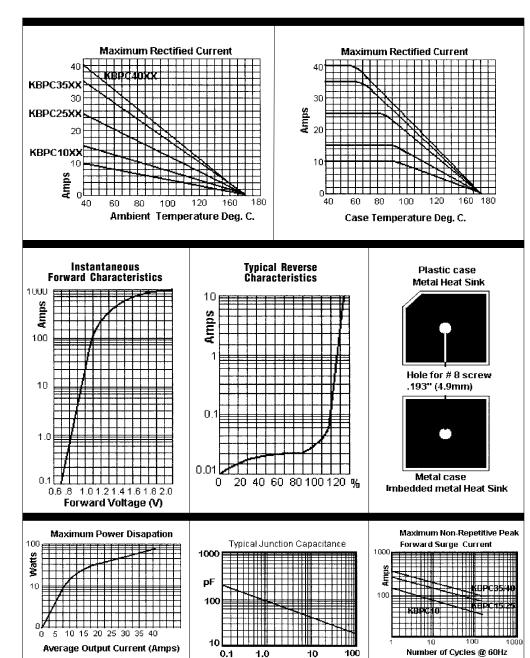


Features

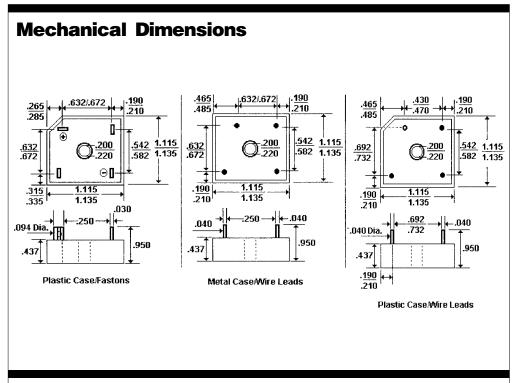
- BUILT-IN INTEGRAL HEAT SINK
- UL RECOGNITION AVAILABLE
- UP TO 400 AMP SURGE OVERLOAD RATING
- OPTION OF WIRE LEADS OR FASTON TERMINALS

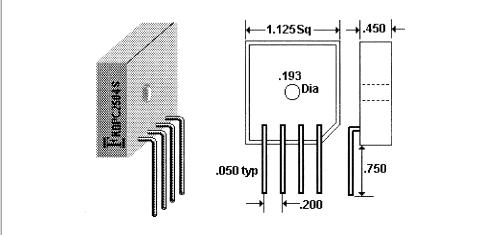
Electrical Characteristics @ 25°C.			KBPC10 40XX Series								Units
Maximum Ratings			-00	-01	-02	-04	-06	-08	-10	-12	
Peak Repetitive Reverse Voltage\	I _{DDM}		50	100	200	400	600	800	1000	1200	Volts
RMS Reverse VoltageV _{R(rms)}	TITUW		35	70	140	280	420	560	700	840	Volts
DC Blocking VoltageV _{DC}			50	100	200	400	600	800	1000	1200	Volts
Average Forward Rectified CurrentI _{F(av)}		KBPC10					10				Amp
	. ()	KBPC15				······································	15				Amp
		KBPC25					25				Amp
N. B. W. B. J. S. J. S.		KBPC35					35				Amp
		KBPC40				4	40				Amp
Non-Repetitive Peak Forward Sur	rge					_					_
CurrentI _{FSM}		KBPC10									Amp
		KBPC15					00				Amp
		KBPC25				••••••	00				Amp
		KBPC35					00				Amp
=		KBPC40					00				Amp
Forward VoltageV _F	KBPC10,	г					l.1				Volt
	KBPC15,						l.1				Volt
		$I_{F} = 12.5A$									Volt
	KBPC35,	$I_{\rm F} = 17.5 A$				1	l.1				Volt
		$I_{\rm F} = 20.0 {\rm A}$									Volt
Isolation Voltage Case to Leads	.V _{ISO}					2	500				Volts
DC Reverse CurrentI _p											
@ Rated DC Blocking Voltage po	er Leg	$T_{\Delta} = 25^{\circ}C$				5	5.0				μAm
	_	$T_{\Delta}^{} = 125^{\circ}C$				5	00				μAm
Typical Thermal ResistanceR _{e,JC}						1	1.9				°C / '
Junction to Case per Leg						_					
Typical Junction CapacitanceC _J						•	00				pF
Operating & Storage Temperature I				55	to150				°C		











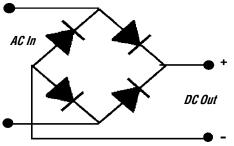
Ratings at 25 Deg. C ambient temperature unless otherwise specified.

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.
- These FOI Bridges Are Also Available in Fast Recovery, In Positive and Negative Center Tap and in Double Configurations. Consult with FOI 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