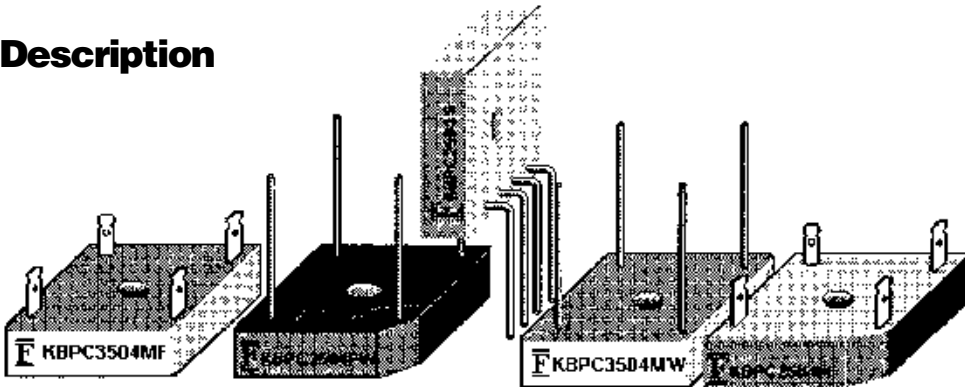


Description



KBPC10XX . . . 40XX Series

Features

- BUILT-IN INTEGRAL HEAT SINK
- UP TO 400 AMP SURGE OVERLOAD RATING
- UL RECOGNITION AVAILABLE
- 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... V_{RRM}		50	100	200	400	600	800	1000	1200	Volts
RMS Reverse Voltage... $V_{R(rms)}$		35	70	140	280	420	560	700	840	Volts
DC Blocking Voltage... V_{DC}		50	100	200	400	600	800	1000	1200	Volts
Average Forward Rectified Current... $I_{F(av)}$	KBPC10	..... 10								Amps
	KBPC15	..... 15								Amps
	KBPC25	..... 25								Amps
	KBPC35	..... 35								Amps
	KBPC40	..... 40								Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM}	KBPC10	..... 200 .....				.....				Amps
	KBPC15	..... 300 .....				.....				Amps
	KBPC25	..... 300 .....				.....				Amps
	KBPC35	..... 400 .....				.....				Amps
	KBPC40	..... 400 .....				.....				Amps
Forward Voltage... V_F	KBPC10, $I_F = 5A$	..... 1.1 .....				.....				Volts
	KBPC15, $I_F = 7.5A$	..... 1.1 .....				.....				Volts
	KBPC25, $I_F = 12.5A$	..... 1.1 .....				.....				Volts
	KBPC35, $I_F = 17.5A$	..... 1.1 .....				.....				Volts
	KBPC40, $I_F = 20.0A$	..... 1.1 .....				.....				Volts
Isolation Voltage Case to Leads... V_{ISO}		..... 2500 .....						.....		Volts AC
DC Reverse Current... I_R		.....				.....
@ Rated DC Blocking Voltage per Leg	$T_A = 25°C$	..... 5.0 .....				.....				μAmps
	$T_A = 125°C$	..... 500 .....				.....				μAmps
Typical Thermal Resistance... $R_{θJC}$	Junction to Case per Leg	..... 1.9								°C / W
Typical Junction Capacitance... C_j		..... 300								pF
Operating & Storage Temperature Range... T_J, T_{STRG}		..... -55 to 150								°C