

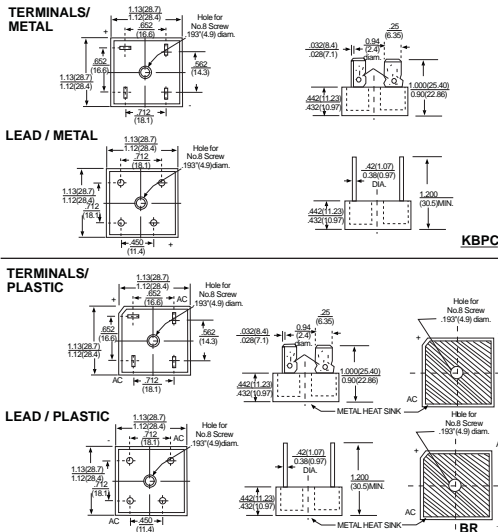


# Taiwan Goodark Technology Co.,Ltd

## KBPC BR15/25/35/50

### FEATURES

- \* Surge overload 200-400 Amperes peak
- \* Low forward voltage drop
- \* Mounting Position: Any
- \* Electrically isolated base-1800 Volts
- \* Solderable 0.25" FASTON terminals
- \* Materials used carries U/L recognition



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.  
Resistive or inductive load 50Hz.  
For capacitive load current by 20%

Type Number		KBPC BR		KBPC BR		KBPC BR		KBPC BR		KBPC BR		KBPC BR		UNITS					
		15005		1501		1502		1504		1506		1508			1510				
		25005		2501		2502		2504		2506		2508			2510				
		35005		3501		3502		3504		3506		3508			3510				
		50005		5001		5002		5004		5006		5008			5010				
Maximum Repetitive Peak Reverse Voltage		VRRM	50		100		200		400		600		800		1000		V		
Maximum RMS Bridge Input Voltage		VRMS	35		70		140		280		420		560		700		V		
Maximum Average Forward Rectified Output Current @Tc = 55°C		IF(AV)	KBPC BR 15		15		KBPC BR 25		25		KBPC BR 35		35		KBPC BR 50		50		A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load		IFSM			300				400				400				500		A
Maximum Forward Voltage Drop per Leg at 7.5/12.5/17.5/25.0A Peak		VF	1.2															V	
Maximun Reverse Current at Rate DC Blocking Voltage per element @TA= 25°C		IR	5															uA	
Operating Temperature Range Tc		TJ	-55 to+125															°C	
Storage Temperature Range TA		TSTG	-55 to+150															°C	

NOTES: 1. Also available on KBPC 10W/15W/25W/35W/50W series.



FIG.1 -MAXIMUM FORWARD SURGE CURRENT

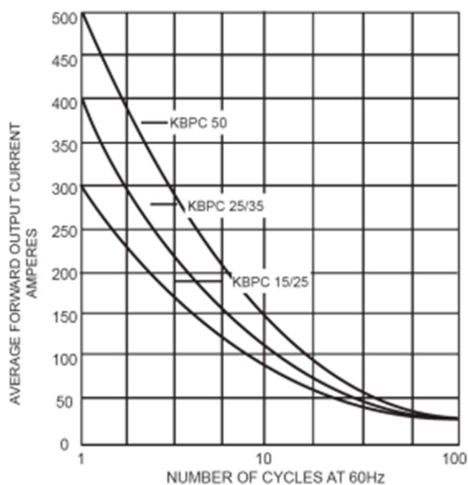


FIG.2 -DERATING CURVE  
OUTPUT RECTIFIED CURRENT

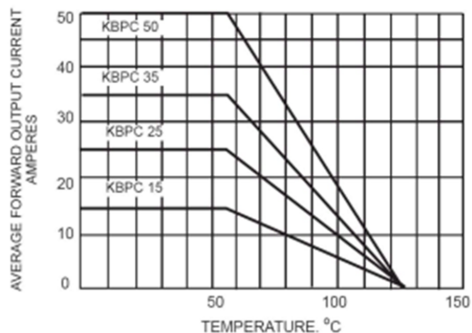


FIG.3-TYPICAL FORWARD  
CHARACTERISTICS

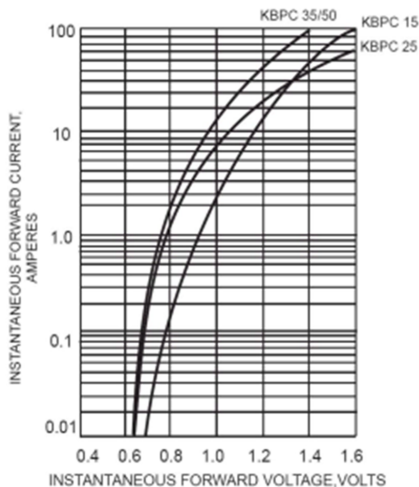


FIG.4 - TYPICAL REVERSE  
CHARACTERISTICS

