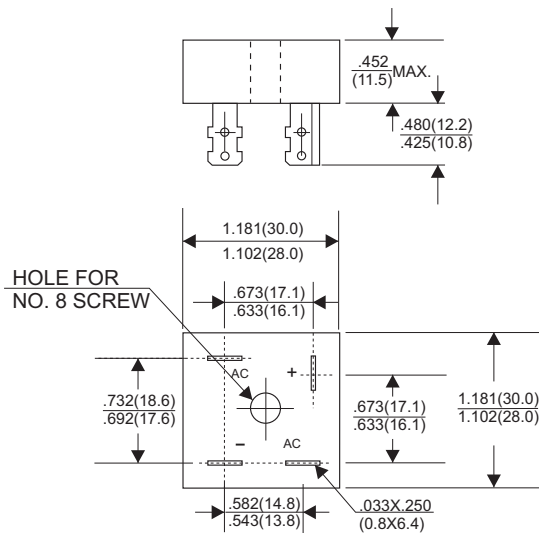




KBPC35005 THRU KBPC3510

SINGLE PHASE BRIDGE RECTIFIERS
Reverse Voltage - 50 to 1000 Volts Forward Current - 35.0 Ampere

KBPC



Dimensions in inches and (millimeters)

FEATURES

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

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unieess otherwies specified.
 Single phase half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

TYPE NUMBER	KBPC 35005	KBPC 3501	KBPC 3502	KBPC 3504	KBPC 3506	KBPC 3508	KBPC 3510	UNITS	
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at Ta=55°C								35.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								400	A
Maximum Instantaneous Forward Voltage at 17.5A								1.1	V
Maximum DC Reverse Current at Rated DC Blocking Voltage								10.0	µA
								500	µA
Operating Temperature Range T _J								-65 — +125	°C
Storage Temperature Range T _{STG}								-65 — +150	°C

RATING AND CHARACTERISTIC CURVES (KBPC35005 THRU KBPC3510)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

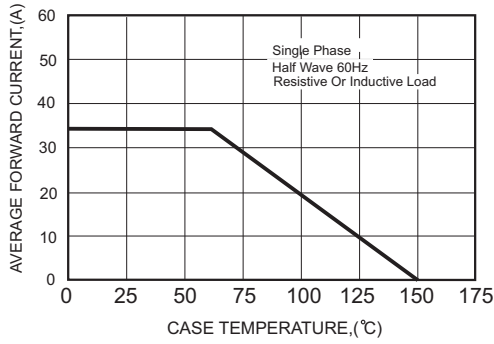


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

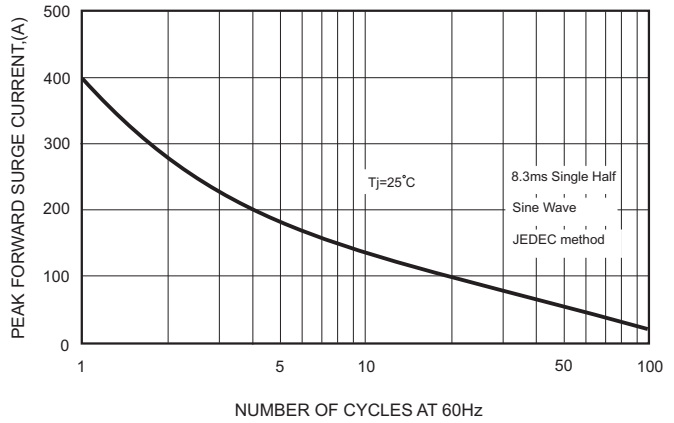


FIG.3-TYPICAL FORWARD CHARACTERISTICS

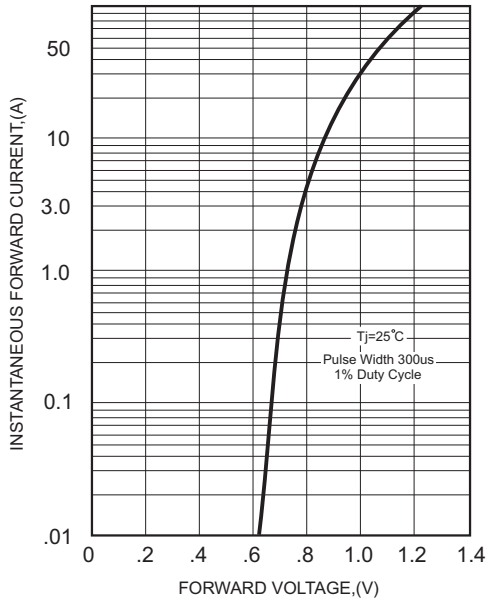


FIG.4-TYPICAL REVERSE CHARACTERISTICS

