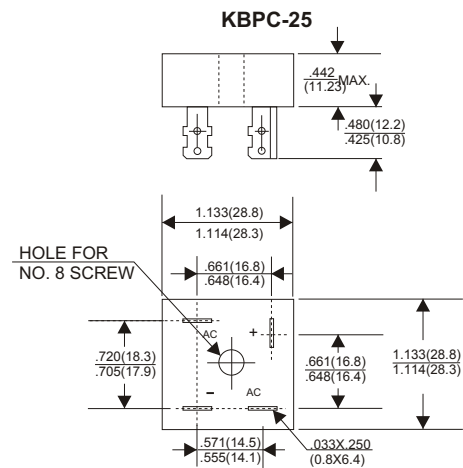


## SINGLE PHASE 35 AMP BRIDGE RECTIFIERS

### Features:

- \* Superior thermal design
- \* 400 amperes surge capability
- \* Mounting: Hole thru for #8 screw
- \* 1/4" universal faston terminal
- \* Both normal and Pb free product are available:
- \* Normal: 80~95%Sn, 5~20%Pb
- \* Pb free: 99 Sn above can meet Rohs environment substance directive request



Dimensions in inches and (millimeters)

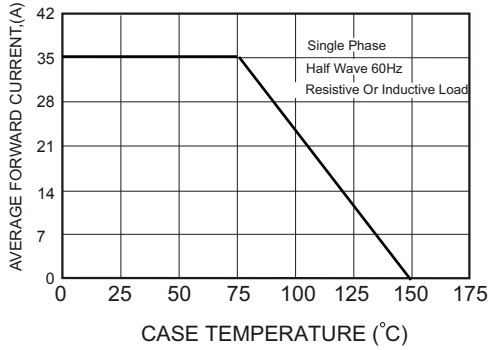
## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

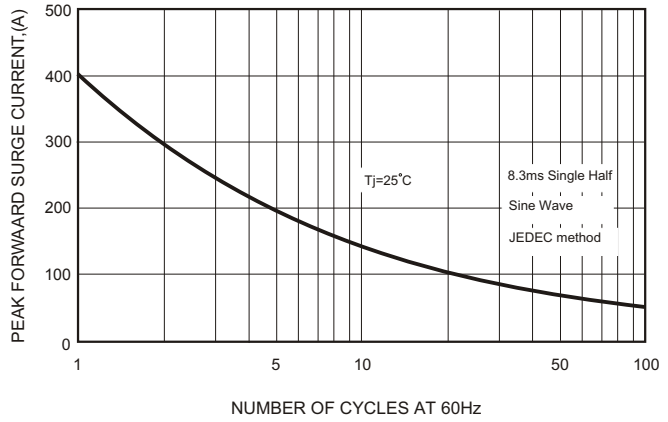
TYPE NUMBER	KBPC35005	KBPC3501	KBPC3502	KBPC3504	KBPC3506	KBPC3508	KBPC3510	UNITS	
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
Maximum Average Forward Rectified Current .375" (9.5mm) Lead Length at Tc=55°C								35	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								400	A
Maximum Forward Voltage Drop per Bridge Element at 17.5AD.C.								1.0	V
Maximum DC Reverse Current Ta=25°C								10	uA
at Rated DC Blocking Voltage Ta=100°C								1000	uA
Operating Temperature Range, Tj								-55 — +150	°C
Storage Temperature Range, TSTG								-55 — +150	°C

**RATING AND CHARACTERISTIC CURVES (KBPC35005 THRU KBPC3510)**

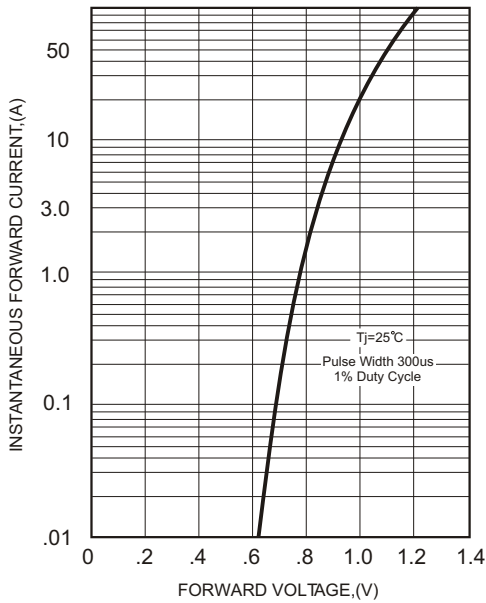
**FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE**



**FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT**



**FIG.3-TYPICAL FORWARD CHARACTERISTICS**



**FIG.4-TYPICAL REVERSE CHARACTERISTICS**

