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### KBPC25005 THRU KBPC2510

## High Current 25 AMPS. Single Phase Glass Passivated Bridge Rectifiers

Voltage Range 50 to 1000 Volts Current 25 Amperes

# KBPC25

#### **FEATURES**

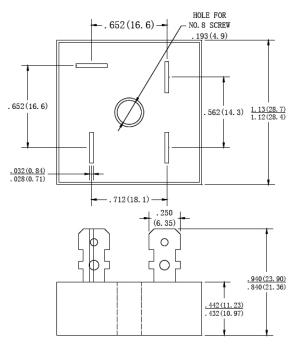
- ◆Ideal for printed circuit board
- ◆Reliable low cost construction technique results in inexpensive product
- ◆High temperature soldering guaranteed: 260°C / 10 seconds / 0.375" ( 9.5mm ) lead length at 5 lbs., ( 2.3 kg ) tension
- ◆UL Recognized File number: E347214

#### **MECHANICAL DATA**

◆Case: Molded plastic

◆Lead: solder plated

◆Polarity: As marked



Dimensions in inches and (millimeters)

#### **MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating at 25°C ambient temperature unless otherwise specified.

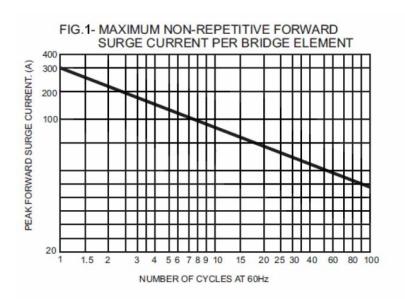
Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

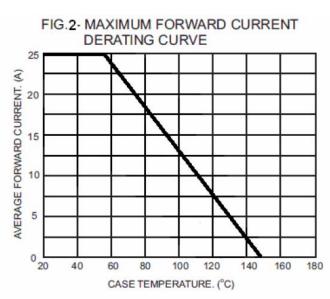
	SYMBOLS	КВРС	КВРС	КВРС	КВРС	КВРС	КВРС	КВРС	UNITS
		25005	2501	2502	2504	2506	2508	2510	
Maximum Repetitive Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current	Luna	25							А
at Tc=55℃	I(AV)								
Peak Forward Surge Current,	Iгsм 300								
8.3ms Single Half Sine-wave Superimposed on							Α		
Rated Load (JEDEC method )									
Maximum Instantaneous Forward Voltage at 12.5A	VF	1.1							V
Maximum DC Reverse Current	In .	10							μА
at Rated DC Blocking voltage per Element	l IR								
Typical Thermal Resistance (Note)	Rejc	2.0						°C/W	
Operating Temperature Range	Tu	-55 to +150							$^{\circ}$
Storage Temperature Range	Тѕтс	-55 to +150							$^{\circ}$

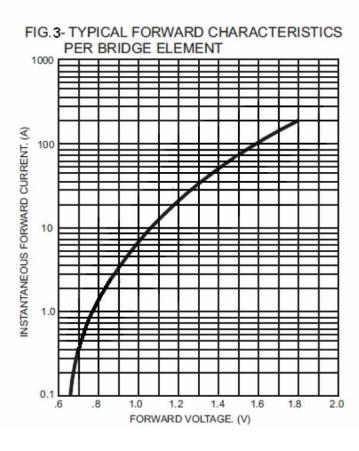
Note: Thermal Resistance from Junction to Case.

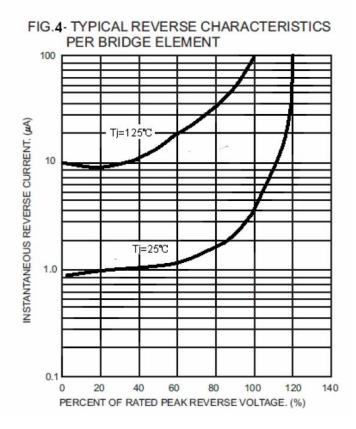
## **KBPC25005 THRU KBPC2510**

## **RATING AND CHARACTERISTIC CURVES KBPC25005 THRU KBPC2510**









Note: Specifications are subject to change without notice.