



RS401/KBU4A THRU RS407/KBU4M

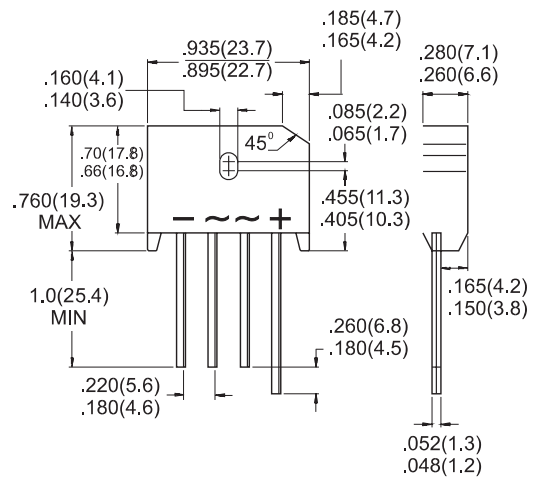
Single Phase 10 AMPS. Silicon Bridge Rectifiers

Voltage Range
-50 to 1000 Volts
Current
-4.0 Amperes

Features

High surge current capability
 Ideal for printed circuit board
 Reliable low cost construction technique
 results in inexpensive product
 High temperature soldering guaranteed:
 250°C / 10 seconds / 0.375* (9.5mm)²
 lead length at 5 lbs., (2.3 kg) tension
 Weight: 8 grams

RS4



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

Type Number	RS 401	RS 402	RS 403	RS 404	RS 405	RS 406	RS 407	Units
	KBU 4A	KBU 4B	KBU 4D	KBU 4G	KBU 4J	KBU 4K	KBU 4M	
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 Tc=100°C Rectified Output Current @T _a = 50°C/40°C/45°C	4.0							A A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	200							A
Maximum Instantaneous Forward Voltage Drop per element @ 3.0A/3.0A/8.0A	1.0							V
Maximum DC Reverse Current @ T _a =25°C at Rated DC Blocking Voltage @ T _a =100°C	10 100							uA uA
Operating Temperature Range T _j	-55 to +150							°C



FIG.1-MAXIMUM FORWARD SURGE CURRENT

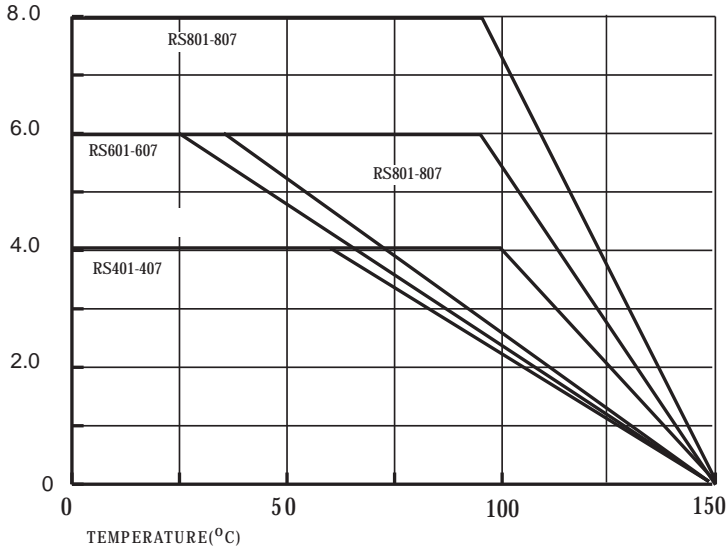


FIG.2-DERATING CURVE OUTPUT RECTIFIED CURRENT

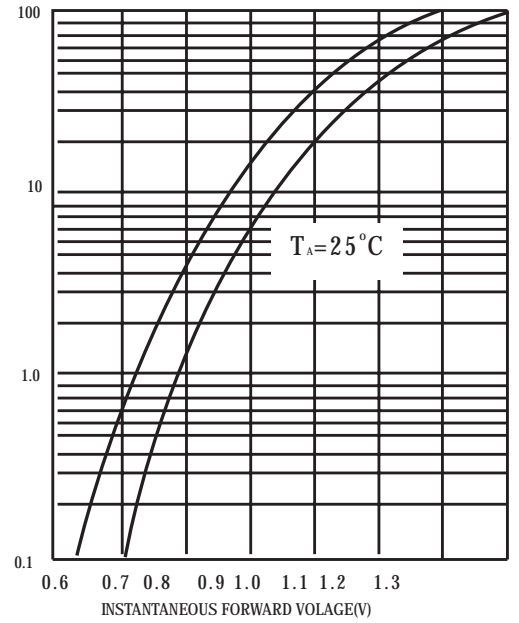


FIG.3- MAXIMUM NON-RETTITIVE PEAK FORWARD SURGE CURRENT

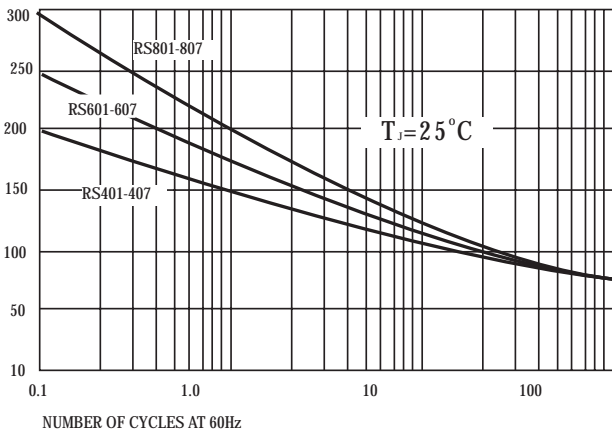


FIG.4- TYPICAL REVERSE CHARACTERISTICS

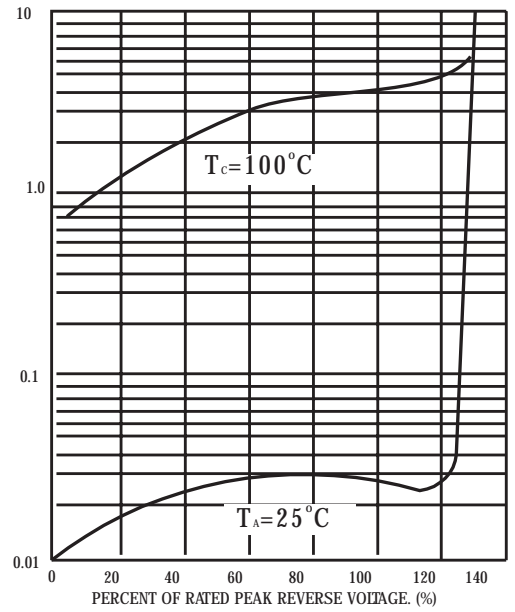


FIG.5- TYPICAL JUNCTION CAPACITANCE PER ELEMENT

