



UR3KB60 - UR3KB100

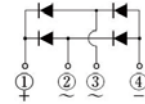
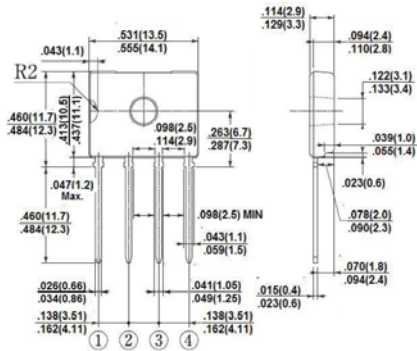
Single Phase 3.0 AMPS.

Glass Passivated Bridge Rectifiers

D3K

Features

- ◇ UL Recognized File # E-326243
- ◇ Glass passivated junction
- ◇ Ideal for printed circuit board
- ◇ High case dielectric strength
- ◇ Plastic material has Underwriters laboratory flammability Classification 94V-0
- ◇ Typical IR less than 0.1uA
- ◇ High surge current capability
- ◇ High temperature soldering guaranteed:
260°C / 10 seconds at 5 lbs., (2.3 kg) tension
- ◇ Green compound with suffix "G" on packing code & prefix "G" on datecode.

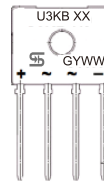


Dimension in inches and (millimeter)

Marking Diagram

Mechanical Data

- ◇ Case : Molded plastic body
- ◇ Terminal : Pure tin plated , Lead free. Leads solderable per MIL-STD-202 Method 208
- ◇ Weight : 1.41 grams
- ◇ Mounting Torque : 0.8 N.M max.



U3KB XX = Specific Device Code
G = Green Compound
Y = Year
WW = Work Week

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	Symbol	UR3KB 60	UR3KB 80	UR3KB 100	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	600	800	1000	V
Maximum Average Forward Current Without heat sink T _A =29°C 60 Hz sine wave resistance load With heat sink T _C =140°C	I _{F(AV)}	1.2 3.0			A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	90			A
Rating of fusing (t < 8.3mS)	I ² t	35			A ² S
Maximum Instantaneous Forward Voltage @ 1.5A	V _F	1.00			V
Maximum DC Reverse Current at Rated DC Blocking Voltage (Note 1)	I _R	10			uA
Dielectric Strength (Terminal to Case, AC 1minute)	V _{dis}	2.0			KV
Typical Thermal Resistance (Note 2)	R _{θJA}	13.7			°C/W
	R _{θJC}	5.2			
	R _{θJL}	5.5			
Operating Temperature Range	T _J	-55 to +150			°C
Storage Temperature Range	T _{STG}	-55 to +150			°C

Note : 1. Pulse Test with PW=300 usec, 1% Duty Cycle

2. Unit case mounted on 2" x 3" x 0.25" Al plate heat sink.

RATINGS AND CHARACTERISTIC CURVES (UR3KB60 THRU UR3KB100)

