

D4KB05 THRU D4KB10

GW

SINGLE PHASE 4.0 AMP BRIDGE RECTIFIERS



FEATURES

- * Terminal: Plated leads solderable per MIL-202E, method 208C
- * Cass: UL-94 Class V-0 recognized Flame Retardant Epoxy
- * Polarity: Polarity symbol marked on body
- * Mounting position: Any

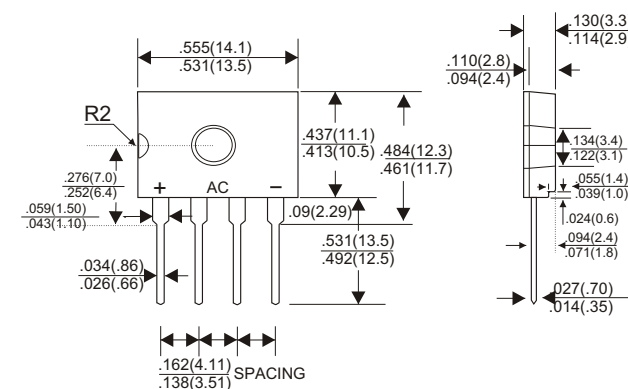
VOLTAGE RANGE

50 to 1000 Volts

CURRENT

4.0 Amperes

D3K



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	D4KB05	D4KB1	D4KB2	D4KB4	D4KB6	D4KB8	D4KB10	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=138°C	4.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	135							A
Maximum Forward Voltage Drop per Bridge Element at 2.0A D.C.	1.1							V
Maximum DC Reverse Current Ta=25°C	10							μA
at Rated DC Blocking Voltage Ta=125°C	500							μA
Operating Temperature Range, Tj	-65 — +150							°C
Storage Temperature Range, Tstg	-65 — +150							°C

RATING AND CHARACTERISTIC CURVES (D4KB05 THRU D4KB10)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

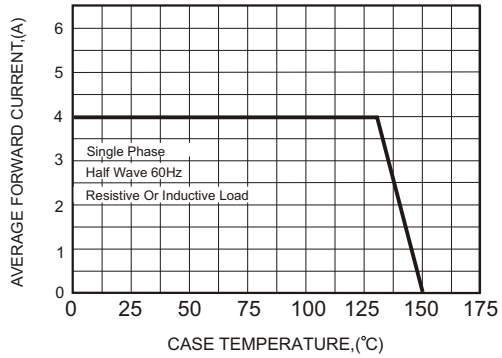


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

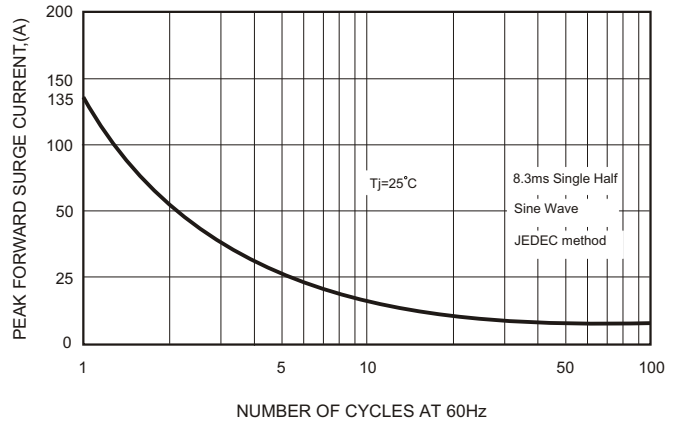


FIG.3-TYPICAL FORWARD CHARACTERISTICS

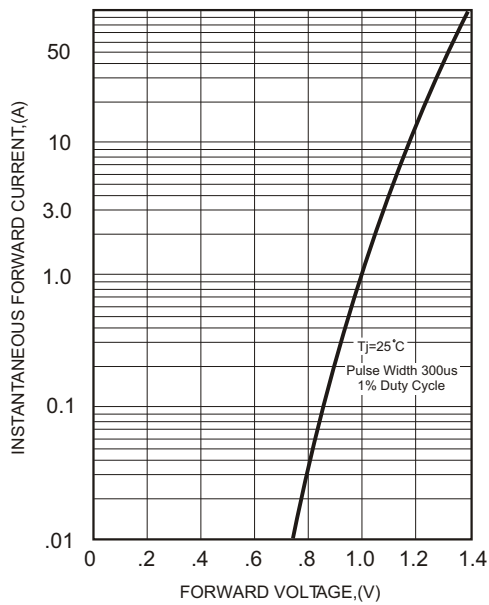


FIG.4-TYPICAL REVERSE CHARACTERISTICS

