

D6KB05 THRU D6KB10

GLASS PASSIVATED BRIDGERECTIFIERS
REVERSE VOLTAGE - **100** to **1000**Volts
FORWARD CURRENT - **6.0** Amperes

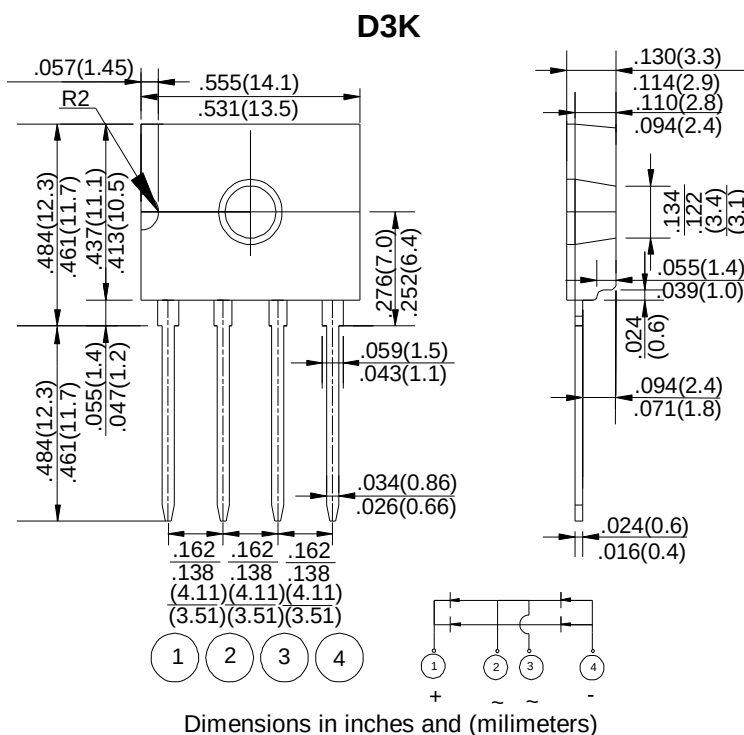


FEATURES

- Glass passivated chip junction
 - High case dielectric strength
 - High surge current capability
- Ideal for printed circuit board

MACHANICAL DATA

- Terminal:Plated leads solderable per MIL-STD 202E, Method 208C
- Case:UL-94 Class V-0 recognized Flane Retardant Epoxy
- Polarity:Polarity symbol marked on body
- Mounting position:any
- Lead Free Finish/RoHS Compliant



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%

CHARACTERISTICS	SYMBOL	D6KB01	D6KB02	D6KB04	D6KB06	D6KB08	D6KB10	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ T _c =140°C (with heatsink)	I _(AV)	6						A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}	150						A
Maximum Forward Voltage at 3.0A DC	V _F	1.0						V
I ² t Rating for Fusing (t<8.3ms)	I ² t	93						A ² s
Maximum Typical Thermal Resistance without heatsink	R _{θJA}	55						°C/W
with heatsink	R _{θJC}	1.5						
without heatsink	R _{θJL}	15						
Maximum DC Reverse Current @ T _a =25°C at Rated DC Blocking Voltage @ T _a =125°C	I _R	10.0 500						μA
Operating Temperature Range	T _J	-55 to +150						°C
Storage Temperature Range	T _{STG}	-55 to +150						°C

RATING AND CHARACTERISTIC CURVES D6KB01 thru D6KB10

FIG.1-DERATING CURVE OUTPUT
RECTIFIED CURRENT

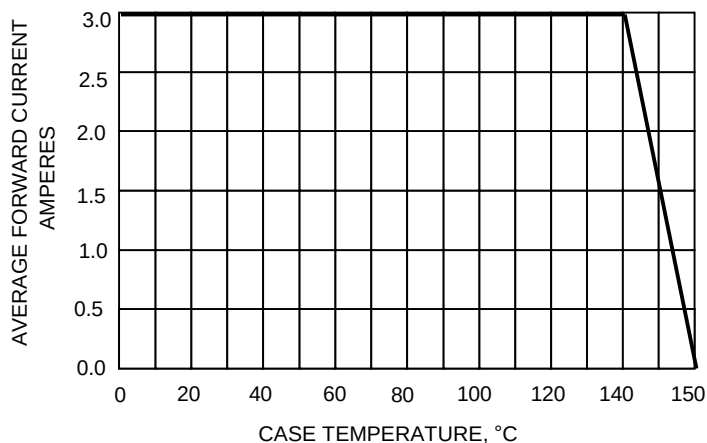


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

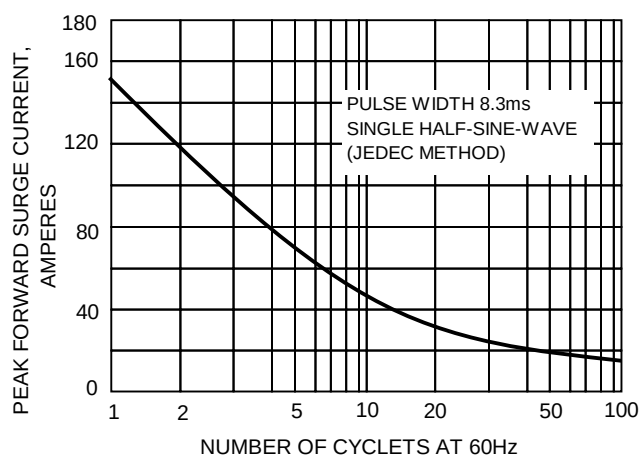


FIG.3-TYPICAL FORWARD CHARACTERISTICS

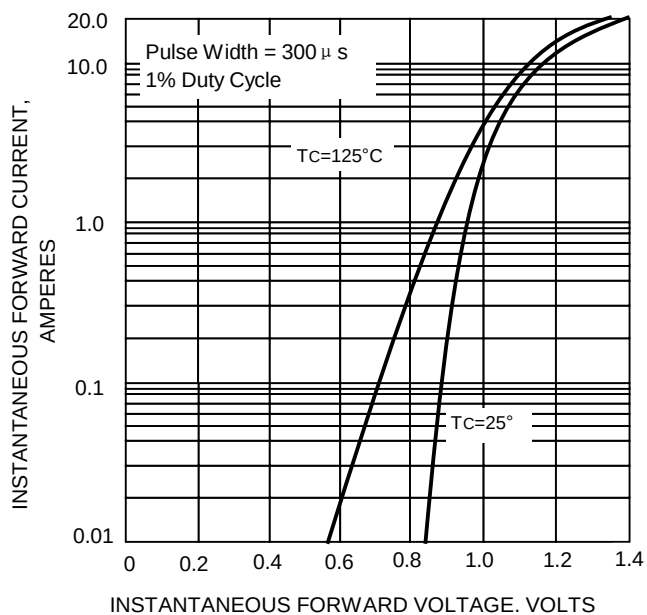


FIG.5-TYPICAL REVERSE CHARACTERISTICS

