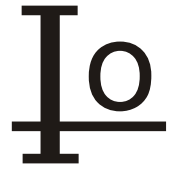


D3KB05 THRU D3KB10



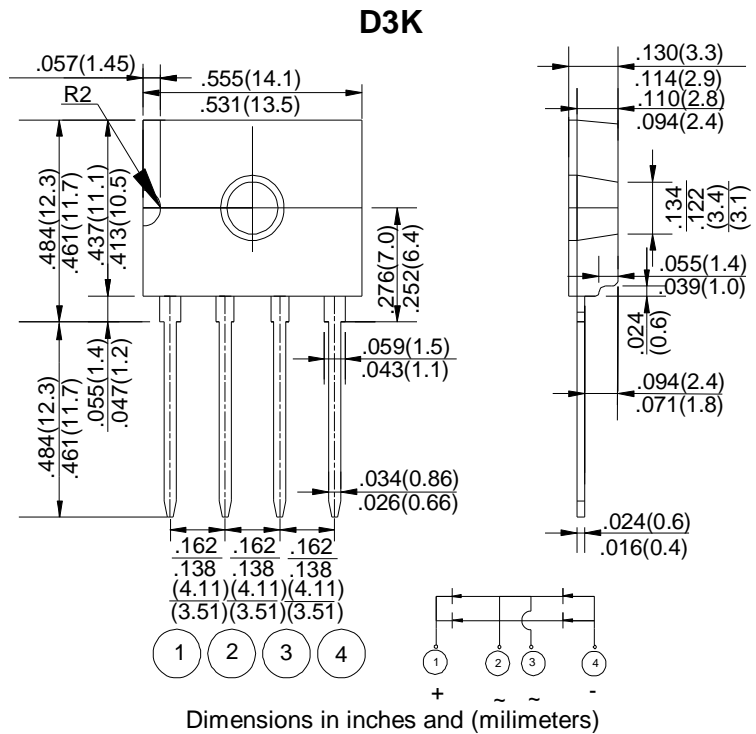
GLASSPASSIVATED BRIDGERECTIFIERS
 REVERSE VOLTAGE - 50 to 1000Volts
 FORWARD CURRENT - 3.0 Amperes

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 Flame 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	D3KB05	D3KB1	D3KB2	D3KB4	D3KB6	D3KB8	D3KB10	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ T _c =140°C (with heatsink) @ T _a =29°C (without heatsink)	I(AV)	3 1.2							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}	90							A
Maximum Forward Voltage at 1.5A DC	V _F	1.10							V
I ² t Rating for Fusing (t<8.3ms)	I ² t	35							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 at Rated DC Blocking Voltage @ T _a =25°C @ 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 D3KB05 thru D3KB10

FIG.1-DERATING CURVE OUTPUT RECTIFIED CURRENT

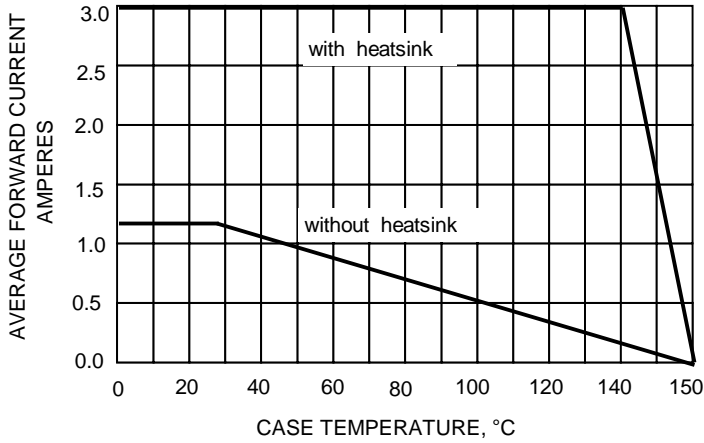


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

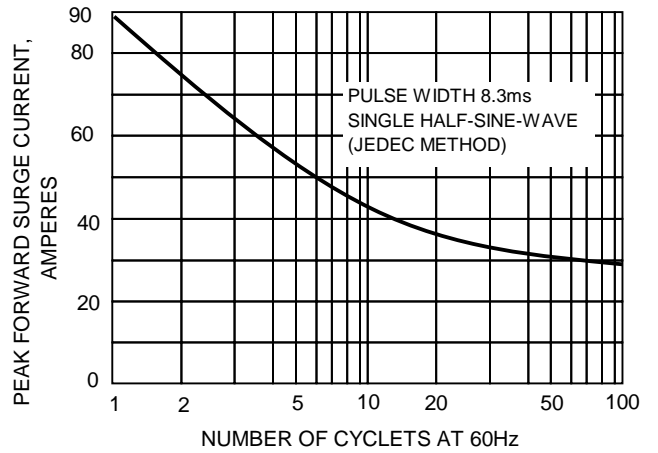


FIG.3-TYPICAL FORWARD CHARACTERISTICS

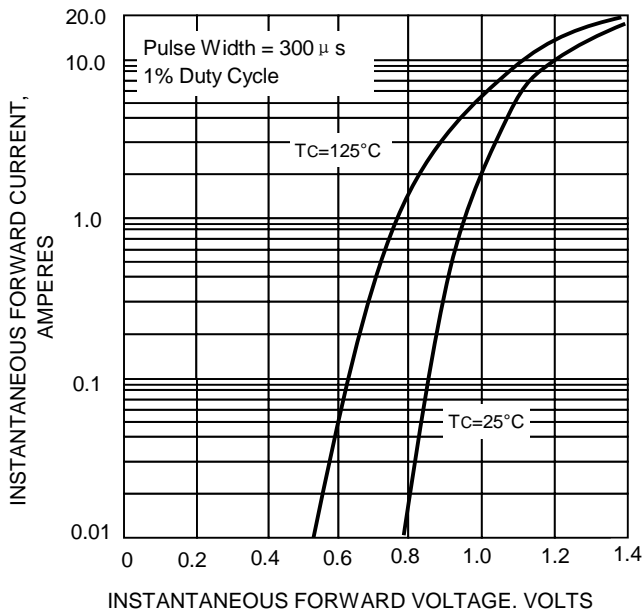


FIG.5-TYPICAL REVERSE CHARACTERISTICS

