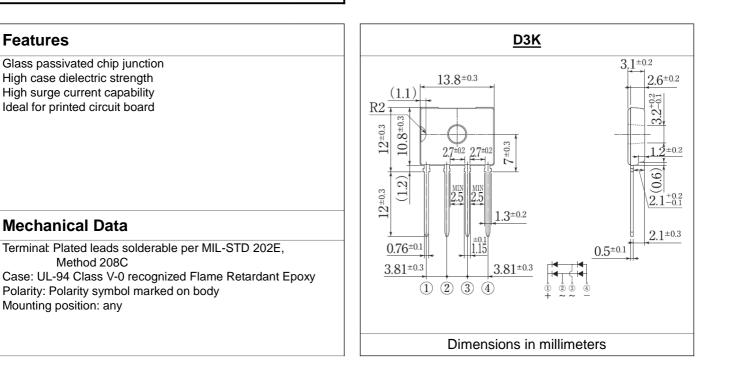
UG6KB05 THRU UG6KB100

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIER

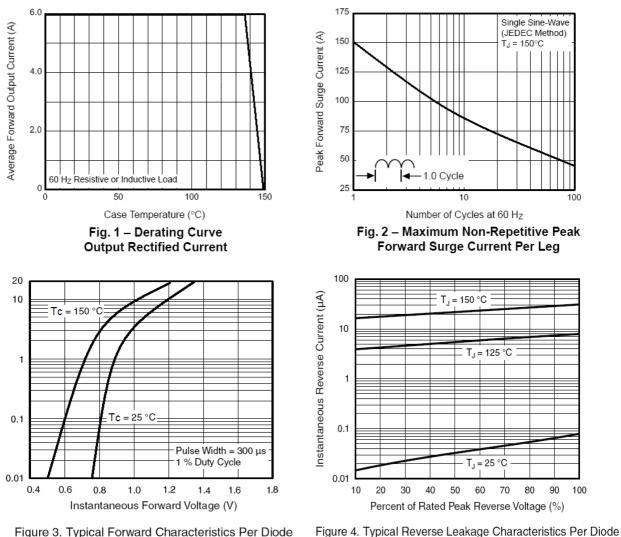
Voltage: 50 to 1000V

Current: 6.0A





MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%) UG6K UG6 UG6 UG6 UG6K UG6 UG6K Symbol units B05 KB10 **KB20** B100 KB40 B60 KB80 Maximum repetitive peak reverse voltage Vrrm 50 100 200 400 600 800 1000 V Maximum RMS voltage Vrms 35 70 140 280 420 560 700 V Maximum DC blocking voltage Vdc 50 100 200 400 600 800 1000 V Maximum average forward rectified output current lf(av) 6.0 А Tc 138℃ with heatsink Peak forward surge current single sine-wave lfsm 150 А superimposed on rated load (JEDEC Method) Maximum instantaneous forward voltage drop per leg at Vf 1.00 V 3.0A Rating for fusing ($3ms \le t < 8.3ms$) I²t 93 A²Sec 10.0 Maximum DC reverse current at Ta = 25℃ Ir μΑ rated DC blocking voltage per leg Ta = 125℃ 500 55 without heatsink Thermal resistance Rth(ja) 1.5 with heatsink Rth(jc) °C/W Rth(jl) without heatsink 15 Operating junction and storage temperature range Tj, Tstg -55 to +150 °C Note:



RATINGS AND CHARACTERISTIC CURVES UG6KB05 THRU UG6KB100

Figure 3. Typical Forward Characteristics Per Diode

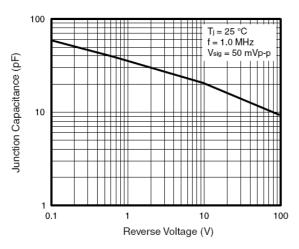


Figure 5. Typical Junction Capacitance Per Diode