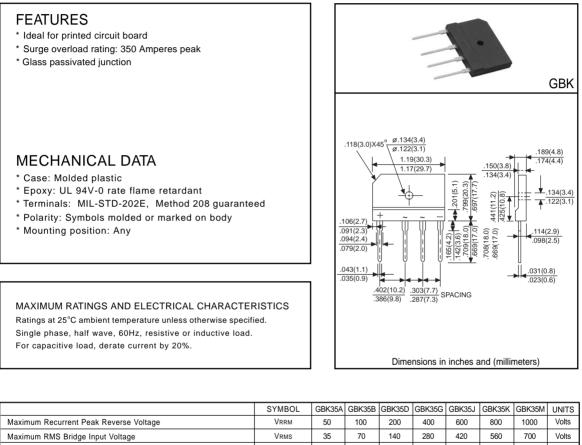
DC COMPONENTS CO., LTD.GBK35ATHRURECTIFIER SPECIALISTSGBK35M

TECHNICAL SPECIFICATIONS OF SINGLE-PHASE GLASS PASSIVATED BRIDGE RECTIFIER

VOLTAGE RANGE - 50 to 1000 Volts

CURRENT - 35 Amperes

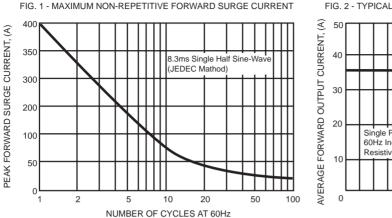


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Maximum Recurrent Peak Reverse Voltage		Vrrm	50	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input Voltage		VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward (with heatsink Note 2) Rectified Current @TA=100°C (without heatsink)		I (AV)	35 5.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	400							Amps
Maximum Forward Voltage Drop per element at 17.5A DC		VF	1.1							Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage per element	@Tj = 25°C	IR	10							– μAmps
	@Tj = 125°C		500							
I ² t Rating for Fusing (t<8.3ms)		l ² t	510							A ² s
Typical Junction Capacitance Per Element (Note 1)		CJ	85							pF
Typical Thermal Resistance (Note 2)		Rejc	0.6							⁰ C/W
Operating Temperature Range		TJ	-55 to +150							°C
Storage Temperature Range		Tstg	-55 to +150						°C	

NOTES : 1.Measured at 1 MHz and applied reverse voltage of 4.0 volts

2. Thermal Resistance from Junction to Case per element Unit mounted on 100x100x1.6mm Cu plate heat-sink.

RATING AND CHARACTERISTIC CURVES (GBK35A THRU GBK35M)



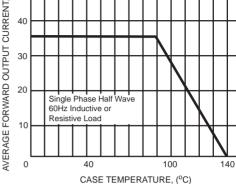
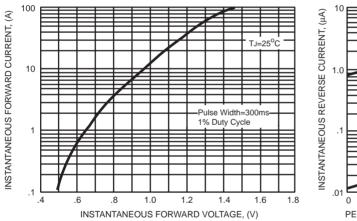


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS



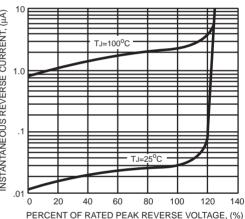


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS



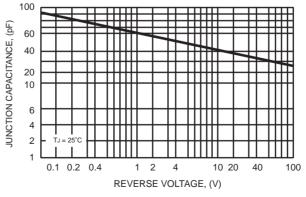


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

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