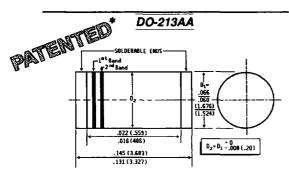
BYM06-50 THRU BYM06-600 RGL34A THRU RGL34J

SURFACE MOUNT GLASS PASSIVATED FAST SWITCHING JUNCTION RECTIFIER

Voltage - 50 to 600 Volts Current - 0.5 Amperes

FEATURES



*Glass-plastic encapsulation technique is covered by Patent No. 3,996,602 of 1976; brazed-lead assembly to Patent No. 3,930,306 of 1976

For surface mounted applications

 High temperature metallurgically bonded

Glass passivated junction

 Plastic package has Underwriters Laboratory Flammability Classification 94V-0

 Capable of meeting environmental standards of MIL-S-19500

• Fast switching for high efficiency

 High temperature soldering guaranteed: 450°C/5 seconds at terminals. Complete device submersible temperature of 260°C for 10 seconds in solder bath

MECHANICAL DATA

Case: Molded plastic over glass

Terminals: Plated terminals, solderable per

MIL-STD-750, Method 2026

Polarity: Two bands indicate cathode

1st band denotes device type

Mounting Position: Any

And band denotes voltage type

Handling Precautions: None

Weight: 0.036 gram, 0.0014 ounce

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°°C ambient temperature unless otherwise specified. Resistive or inductive load.

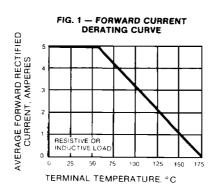
	BYM06						
	SYMBOLS	-50	-100	-200	-400	-600	UNITS
Fast switching device: 1st band is Red		RGL34A	RGL34B	RGL34D	RGL34G	RGL34J	
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	Volts
Maximum RMS Voltage	VRMS	35	70	140	280	420	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	Volts
Maximum Average Forward Rectified Current at T _T =55°C	I(AV)	0.5					Amps
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	ÎFSM		10.0				
Maximum Instantaneous Forward Voltage at 0.5A	VF	1.3					Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage T _A =125°C	l _B		5.0 50.0				
Maximum Full Load Reverse Current, Full Cycle Average, at T _A =55°C	lR(AV)		30.0				
Maximum Reverse Recovery Time (NOTE 1) T _A =25°C	TRR		150 250				nS
Typical Junction Capacitance (NOTE 2)	CJ		4.0				
Maximum Thermal Resistance (NOTE 3) (NOTE 4)	Rejl Reja		70 150.0				
Operating Junction and Storage Temperature Range	TJ,TSTO	i	-65 to +175				
Polarity Color Bands (2 nd Band)		Gray	Red	Orange	Yellow	Green	

NOTES: 1. Reverse Recovery Test Conditions IF=0.5A, IR=1.0A, Irr= .25A.

- 2. Measured at 1 MHz and applied reverse voltage of 4.0 Volts.
- 3. Thermal resistance from junction to terminal, 5mm² copper pads to each terminal.
- 4. Thermal resistance from junction to ambient, 5mm2 copper pads to each terminal.

RATINGS AND CHARACTERISTIC CURVES BYM06-50 THRU BYM06-600 RGL34A THRU RGL34J

FIG. 2 — MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



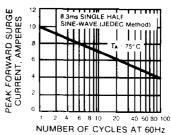
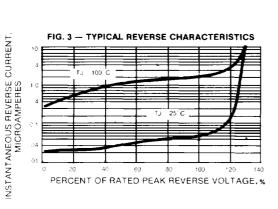


FIG. 4 — TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS



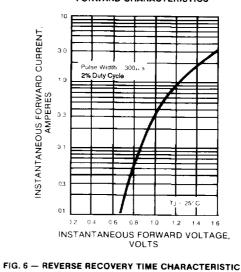


FIG. 5 — TYPICAL JUNCTION CAPACITANCE

