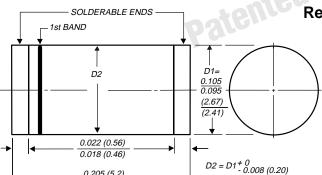


BYM10-50 thru BYM10-1000

GL41A thru GL41Y

Surface Mount Glass Passivated **Junction Rectifier**

Reverse Voltage 50 to 1000V Forward Current 1.0A



DO-213AB

0.185(4.7) 1st band denotes type and positive end (cathode)

0.205 (5.2)

Dimensions in inches and (millimeters)

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



Features

- Plastic package has Underwriters Laboratories Flammability Classification 94V-0
- · Capable of meeting environmental standards of MIL-S-19500
- For surface mount applications
- High temperature metallurgically bonded construction
- Cavity-free glass passivated junction
- High temperature soldering guaranteed: 450°C/5 seconds at terminals. Complete device sub-mersible temperature of 265°C for 10 seconds in solder bath

Mechanical Data

Case: JEDEC DO-213AB, molded plastic over glass body

Terminals: Plated terminals, solderable per

MIL-STD-750, Method 2026

Polarity: Two bands indicate cathode end - 1st band denotes device type and 2nd band denotes repetitive

peak reverse voltage rating

Mounting Position: Any Weight: 0.0046oz, 0.116g

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

		BYM10				BYM10					
	Symbol	-50	-100	-200	-400	-600	-800	-1000			Unit
Standard recovery device: 1st band is white		GL41A	GL41B	GL41D	GL41G	GL41J	GL41K	GL41M	GL41T	GL41Y	
Polarity color bands (2nd Band)		Gray	Red	Orange	Yellow	Green	Blue	Violet	White	Brown	
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	1300	1600	V
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	910	1120	V
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	1300	1600	V
Maximum average forward rectified current (See Fig. 1)	I _F (AV)	1.0								Α	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	30								Α	
Maximum full load reverse current full cycle average at T _A = 75°C	IR(AV)	30								μА	
Typical thermal resistance (Note 1) (Note 2)	R⊕JA R⊕JT	75 30								°C/W	
Operating junction and storage temperature range	TJ,TSTG	-65 to +175								°C	

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

		BYM10				BYM10					
	Symbol	-50	-100	-200	-400	-600	-800	-1000			Unit
Standard recovery device: 1st band is white		GL41A	GL41B	GL41D	GL41G	GL41J	GL41K	GL41M	GL41T	GL41Y	
Maximum instantaneous forward voltage at 1.0A	VF			1.1				1	.2		V
Maximum DC reverse current $T_A = 25^{\circ}C$ at rated DC blocking voltage $T_A = 125^{\circ}C$	IR	10 50							μΑ		
Typical junction capacitance at 4.0V, 1MHz	CJ					8.0					pF

BYM10-50 thru BYM10-1000 GL41A thru GL41Y

Ratings and Characteristic Curves (TA = 25°C unless otherwise noted)

