GL34A THRU GL34M

SURFACE MOUNT GLASS PASSIVATED RECTIFIERS

FEATURES

. Ideal for surface mounted applications

. Easy pick and place

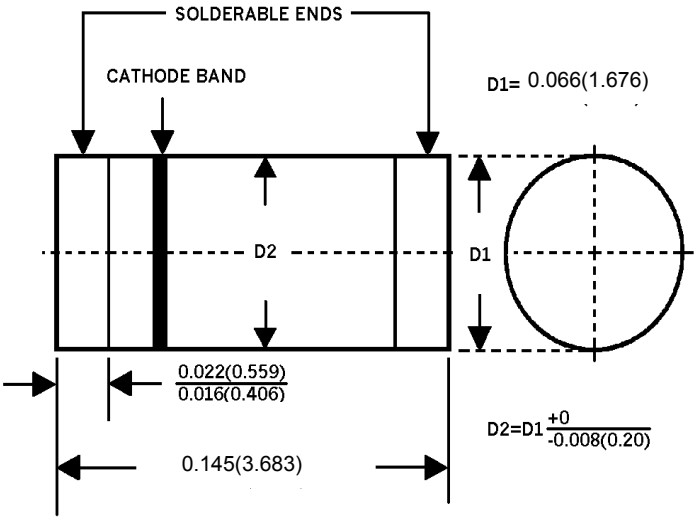
. Low leakage current

. Glass passivated chips

. Metallurgically bonded construction

. High temperature soldering guaranteed:
250℃/10 seconds/.375",(9.5mm) lead lengths

DO-213AA/MINI MELF



MECHANICAL DATA

Case: Molded plastic use UL94V-0 recognized flame retardant epoxy

Terminals: Plated terminals, solderable per MIL-STD-202, method 208

Polarity: Silver color band on body denotes Cathode

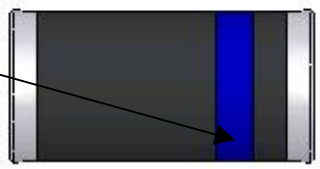
Mounting position: Any

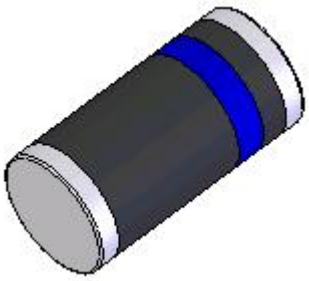
Weight: 0.036 gram

CHIP

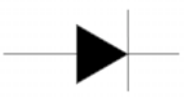
DEVICE MARKING

陰極線





整流二極管通用符號:



.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ Ambient temp. Unless otherwise specified.

Single phase, half sine wave, 60HZ, resistive or inductive load.

For capacitive load, derate current by 20%

	SYMBOL	GL 34A	GL 34B	GL 34D	GL 34G	GL 34J	GL 34K	GL 34M	UNITS
Maximum Current Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS 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 Rectified current	I(AV)	0.5							Amps
Peak Forward Surge current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	IFSM	30.0							Amps
Maximum Instantaneous Forward Voltage @0.5A	VF	1.1							Volts
Maximum DC Reverse Current @ T_A=25℃ at Rated DC Blocking Voltage @ T_A=125℃	IR	9.0							μA
Typical Junction Capacitance (Note 1)	CJ	15.0							Pf
Typical Thermal Resistance (Note 2)	RθJC	50.0							℃/W
Operating and Storage Temperature	TSTG	-65 to +150							℃

Notes: 1. Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.

2. Thermal Resistance from Junction to Ambient

RATING AND CHARACTERISTIC CURVES GL34A THRU GL34M

FIG. 1 – DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

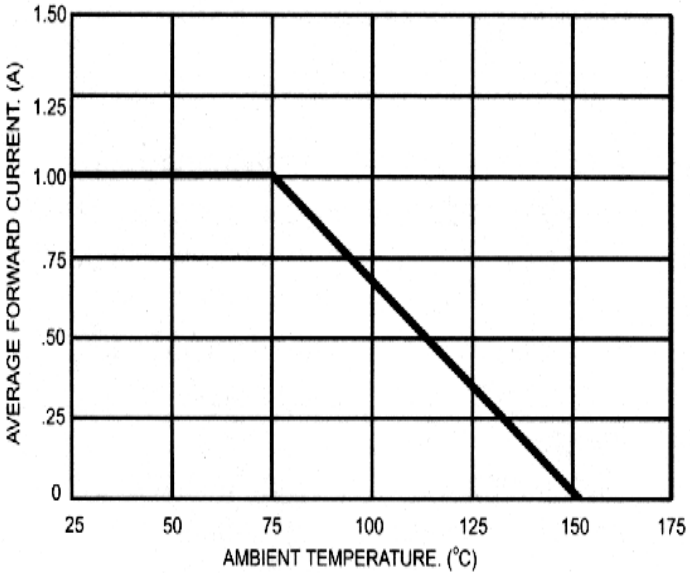


FIG. 2 – MAXIMUM NON - REPETITIVE PEAK FORWARD SURGE CURRENT

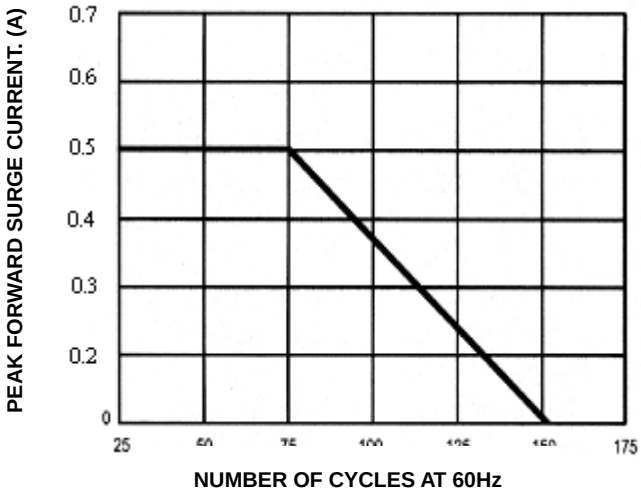


FIG. 3 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

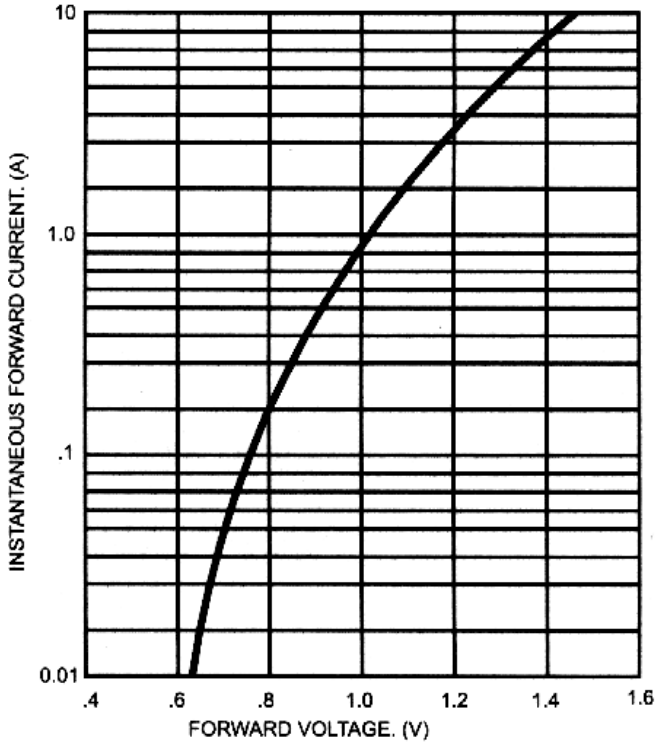


FIG. 4 – TYPICAL JUNCTION CAPACITANCE