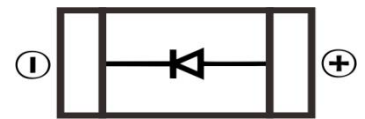


GENERAL PURPOSE RECTIFIER DIODE
FEATURES

- Surface Mount device
- Low Reverse voltage leakage current
- Glass passivated junction
- High forward surge current capability
- Extremely Low Thermal Resistance


**MINI-MELF
(DO-213AA)**

MECHANICAL DATA

- Case: MINI-MELF(DO-213AA)(SM-2)
- Case Material: Molded Plastic. UL flammability
- Classification Rating: 94V-0
- Weight: 0.036 grams (approximate)

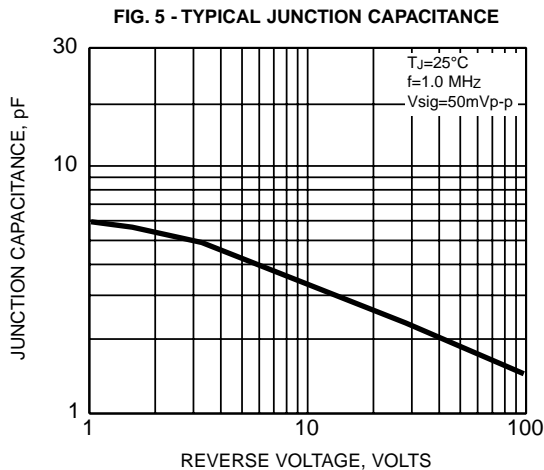
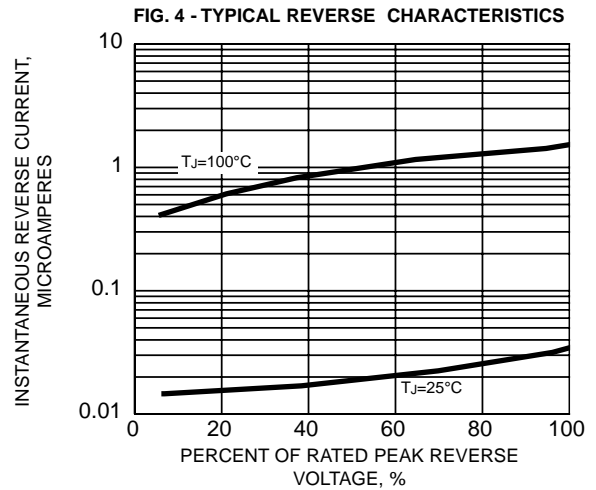
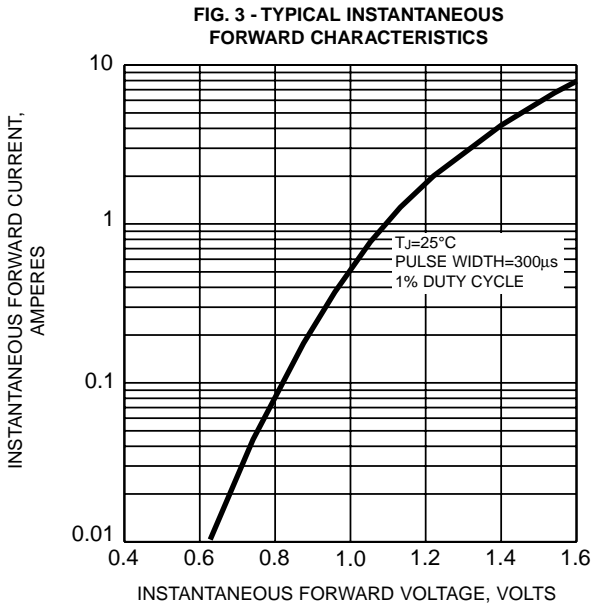
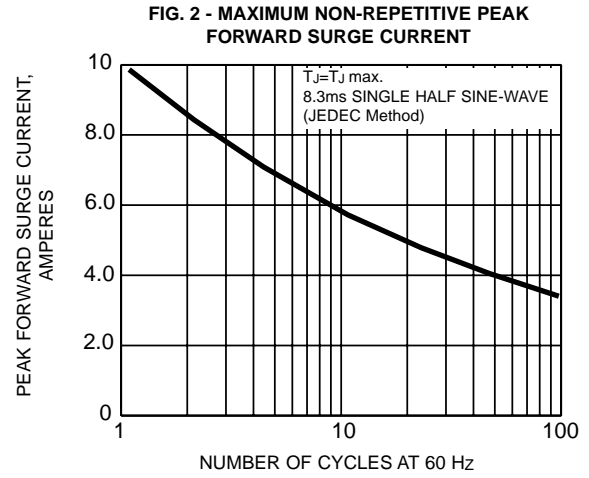
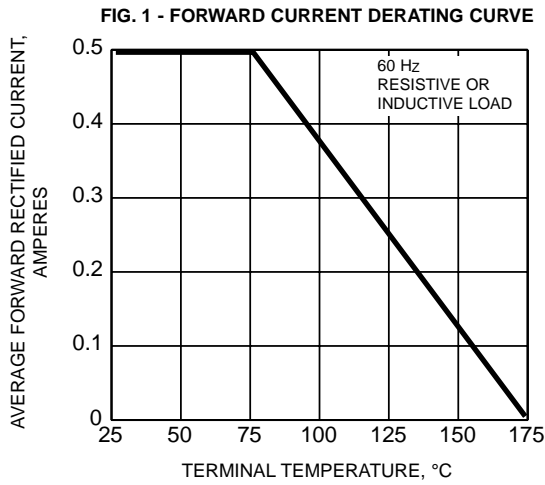
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS(T_A = 25°C unless otherwise noted)

Parameter	Symbol	GL34A	GL34B	GL34D	GL34G	GL34J	GL34K	GL34M	Unit
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
DC Blocking Reverse Voltage	V _R	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	V _{R(RMS)}	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Current	I _F	0.5							A
Peak Forward Surge Current I _{FM} (surge): 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	30							A
Forward voltage(I _F =0.5A)	V _F	1.1							V
Reverse current	I _R	T _A = 25°C							μA
		T _A = 125°C							μA
Thermal Resistance From Junction To Lead	R _{θJL} *	30							°C/W
Typical Junction Capacitance (V _R =4V _{DC} ,f=1MHz)	C _J	8.0							pF
Operating and Storage Temperature	T _J ,T _{STG}	-65 ~+175							°C

*Thermal resistance (Junction to Ambient),.24in2 (6.0mm²) copper pads to each terminal.

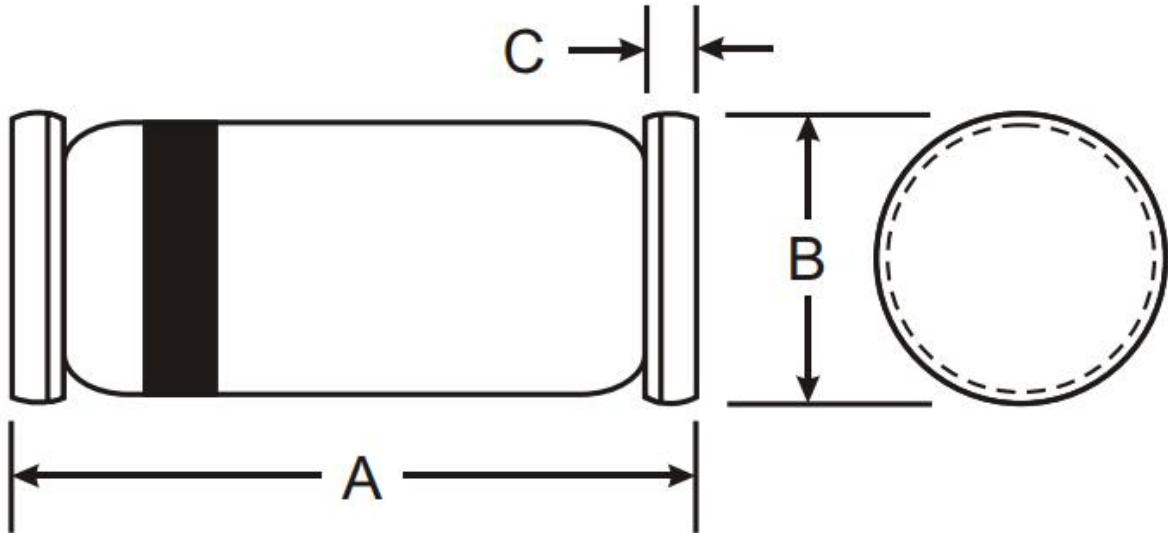
GENERAL PURPOSE RECTIFIER DIODE

Typical Characteristics



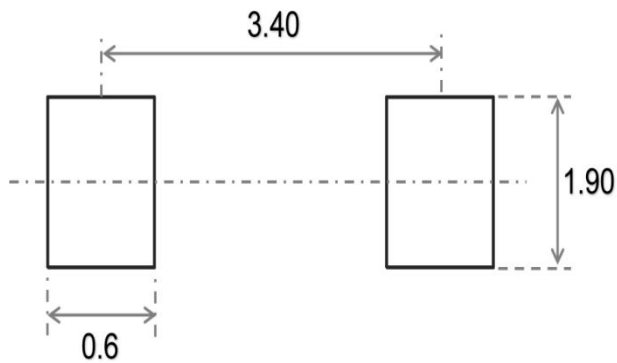
GENERAL PURPOSE RECTIFIER DIODE

MINI-MELF Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	3.45	3.65	0.136	0.144
B	1.50	1.70	0.059	0.067
C	0.25	0.45	0.010	0.018

MINI-MELF Suggested Pad Layout



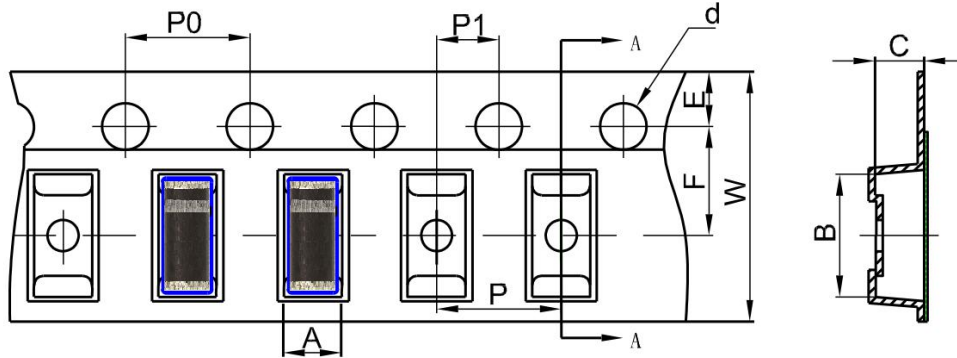
Note:

1. Controlling dimension: in millimeters
2. General tolerance: $\pm 0.05\text{mm}$
3. The pad layout is for reference purposes only

GENERAL PURPOSE RECTIFIER DIODE

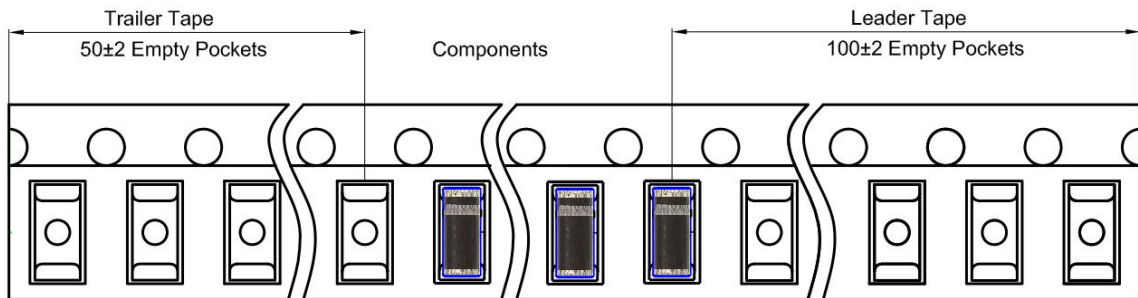
MINI-MELF Tape and Reel

MINI-MELF Embossed Carrier Tape

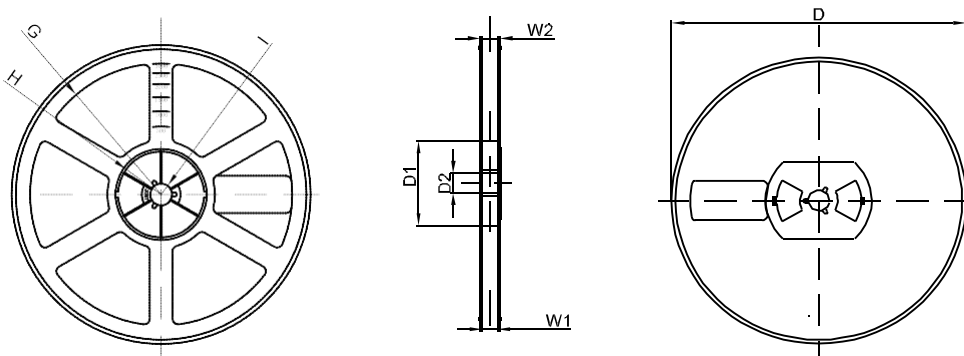


DIMENSIONS ARE IN MILLIMETER										
TYPE	A	B	C	d	E	F	P0	P	P1	W
MINI-MELF	1.75	3.75	1.70	Ø1.50	1.75	3.50	4.00	4.00	2.00	8.00
TOLERANCE	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1

MINI-MELF Tape Leader and Trailer



MINI-MELF Reel



DIMENSIONS ARE IN MILLIMETER								
REEL OPTION	D	D1	D2	G	H	I	W1	W2
7" DIA	Ø178	54.40	13.00	R78	R25.60	R6.50	9.50	12.30
TOLERANCE	±2	±1	±1	±1	±1	±1	±1	±1