

Features

- ◆ Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- ◆ High temperature soldering guaranteed: 260°C/10 seconds at terminals
- ◆ Glass Passivated Chip Junction
- ◆ Lead free in comply with EU RoHS 2011/65/EU directives
- ◆ RoHS Compliant
- ◆ Halogen Free

特征

- ◆ 塑封包装具有保险商实验室易燃性分类 94V-0
- ◆ 保证端子处高温焊接：260°C/10 秒
- ◆ 玻璃钝化芯片结
- ◆ 无铅,符合欧盟 RoHS 2011/65/EU 指令
- ◆ 符合 RoHS 标准
- ◆ 无卤



DO-213AA
Mini MELF



MECHANICAL DATA 器件数据

- ◆ Case: DO-213AA 壳体: JEDEC Mini MELF(DO-213AA)
molded plastic body
- ◆ Terminals: Solderable per MIL-STD-750, Method 2026
接触端: 可根据 MIL-STD-750, 方法 2026 进行焊接

Application 应用

- ◆ General purpose rectification of power supplies 电源通用整流
- ◆ Inverters 逆变器
- ◆ Converters 转换器
- ◆ Freewheeling diodes for consumer and telecommunication
消费类产品和电通信用续流二极管

ORDERING INFORMATION 订购信息

Device Type 器件型号	Package 封装	Reel Size 卷盘尺寸	SPQ 标准包装量	MPQ 最小包装数量	MOQ 最小订购数量
CLL4001G THRU CLL4007G	DO-213AA Mini MELF	7 Inch 英寸	2500/Reel 卷	25000/Box 盒	100000/Carton 箱

Maximum Ratings ($T_A = 25^\circ\text{C}$ unless otherwise noted)

最大额定值(如无另外标识, 环境温度=25°C)

Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

单相半波 60 Hz, 电阻或电感负载, 电容负载电流减额 20%。

Parameter 参数	Symbol 符号	Note	CLL 4001G	CLL 4002G	CLL 4003G	CLL 4004G	CLL 4005G	CLL 4006G	CLL 4007G	Unit 单位
Maximum repetitive peak reverse voltage 最大重复峰值反向电压	V _{RRM}	/	50	100	200	400	600	800	1000	V
Maximum RMS Voltage 最大反向有效电压	V _{RMS}	/	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage 最大直流截止电压	V _{DC}	/	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 最大正向平均整流电流	I _(AV)	/	1							A
Peak Forward Surge Current 峰值正向浪涌电流	I _{FSM}	8.3 ms Single Half Sine Wave Superimposed on Rated Load	25							A
Maximum Instantaneous Forward Voltage @1.0A 最大瞬时正向电压 @1.0A	V _F	/	1.1							V
Maximum DC Reverse Current rated DC Blocking Voltage per element 在额定直流截止电压下的最大直流反向电流	I _R	T _A =25°C	5							μA
		T _A =125°C	50							
Operating Junction Temperature 工作结点温度	T _J	/	-55 to +150							°C
Storage Temperature Range 储存温度范围	T _{STG}	/	-55 to +150							°C
Typical Junction Capacitance (1) 典型结电容	C _j	/	15							pF
Typical Thermal Resistance 典型热阻	R _{θJA}	/	75							°C/W
	R _{θJL}	/	30							°C/W

(1) Measured at 1 MHz and applied reverse voltage of 4 V D.C

在 1 MHz 下测量, 施加 4 V 直流反向电压。

Characteristic Diagram 特性图

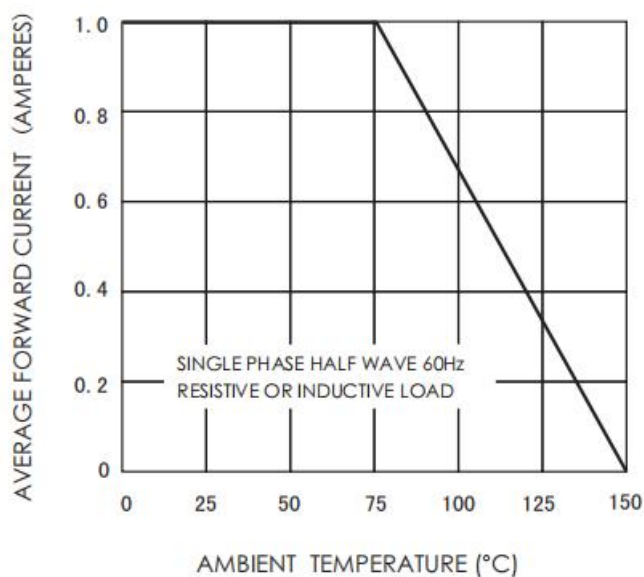
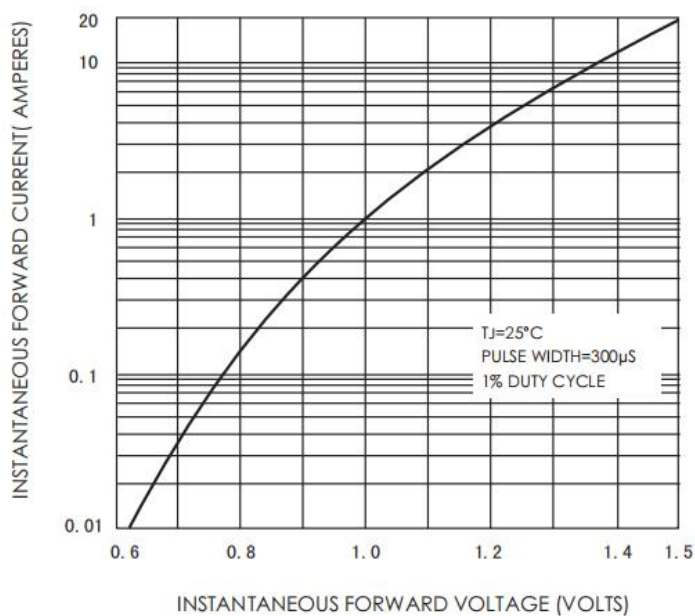
DO-213AA
Mini MELF
FIG.1-FORWARD CURRENT DERATING CURVE

FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS


FIG.3-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

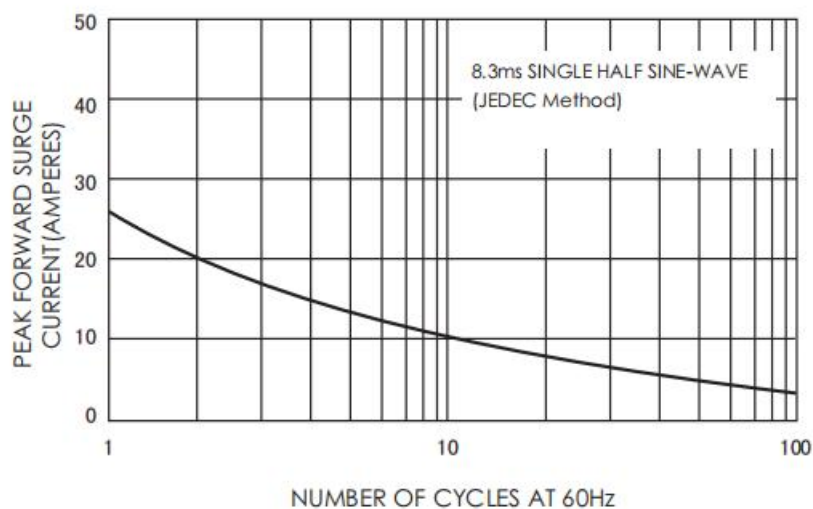


FIG.4-TYPICAL REVERSE CHARACTERISTICS

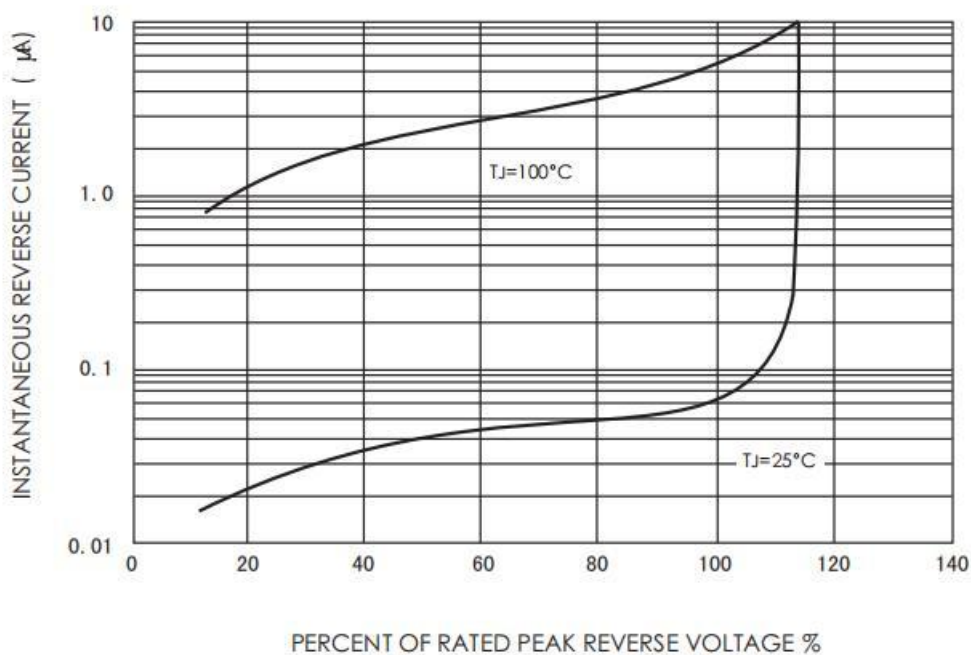
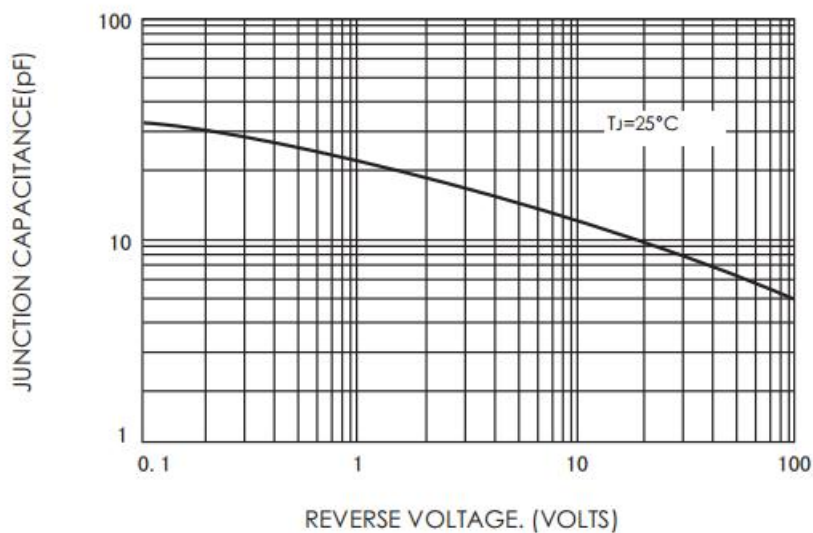
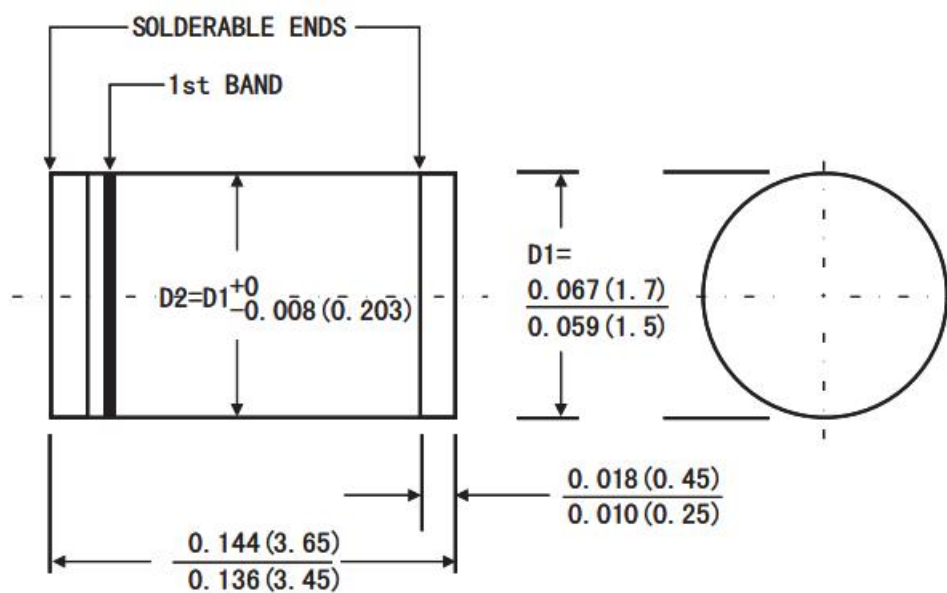


FIG.5-TYPICAL JUNCTION CAPACITANCE



Package 封装信息

MiniMELF(DO-213AA)



Dimensions in inches and (millimeters)

NOTICE

The information presented in this document is for reference only. Involving product optimization and productivity improvement, ChipNobo reserves the right to adjust product indicators and upgrade some technical parameters. ChipNobo is entitled to be exempted from liability for any delay or non-delivery of the information disclosure process that occurs.

本文件中提供的信息仅供参考。涉及产品优化和生产效率改善，ChipNobo 有权调整产品指标和部分技术参数的升级，所出现信息披露过程存在延后或者不能送达的情形，ChipNobo 有获免责权。

The product listed herein is designed to be used with residential and commercial equipment, and do not support sensitive items and specialized equipment in areas where sanctions do exist. ChipNobo Co., Ltd or anyone on its behalf, assumes no responsibility or liability for any damages resulting from improper use.

此处列出的产品旨在民用和商业设备上使用，不支持确有制裁地区的敏感项目和特殊设备，ChipNobo 有限公司或其代表，对因不当使用而造成的任何损害不承担任何责任。

For additional information, please visit our website <http://www.chipnobo.com>, or consult your nearest Chipnobo sales office for further assistance.

欲了解更多信息，请访问我们的网站 <http://www.chipnobo.com>，或咨询离您最近的 Chipnobo 销售办事处以获得进一步帮助。