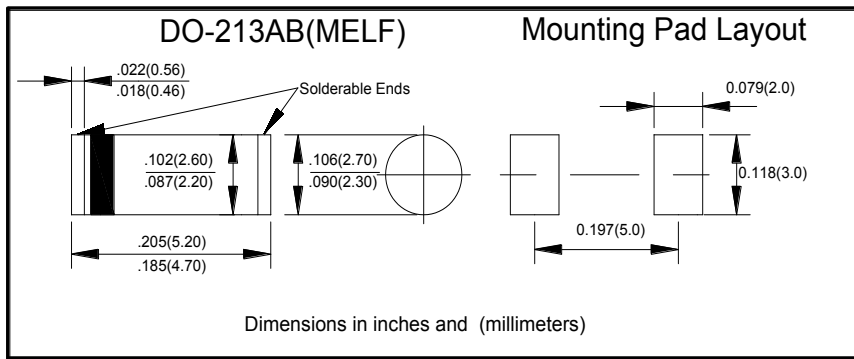


General Purpose Rectifier



Features

- I_o 1.0A
- V_{RRM} 50V-1000V
- High surge current capability
- Cases: Molded plastic

Applications

- Rectifier

■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Test Conditions	LL40						
				01	02	03	04	05	06	07
Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	400	600	800	1000
Average Forward Current	$I_{F(AV)}$	A	60HZ Half-sine wave, Resistance load, $T_a=75^{\circ}\text{C}$	1.0						
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz Half-sine wave ,1 cycle , $T_a=25^{\circ}\text{C}$	30						
Junction Temperature	T_J	$^{\circ}\text{C}$		-55~+150						
Storage Temperature	T_{STG}	$^{\circ}\text{C}$		-55 ~ +150						

■ Electrical Characteristics ($T_a=25^{\circ}\text{C}$ Unless otherwise specified)

Item	Symbol	Unit	Test Condition	LL40						
				01	02	03	04	05	06	07
Peak Forward Voltage	V _F	V	I _F =1.0A	1.1					1.2	
Peak Reverse Current	I _{RRM1}	μA	V _{RM} =V _{RRM}	T _a =25℃		10				
	T _a =125℃			50						
Thermal Resistance(Typical)	R _{θJ-A}	℃/W	Between junction and ambient		75 ¹⁾					
	R _{θJ-T}		Between junction and terminal		30 ²⁾					

Notes:

¹⁾ Thermal resistance from junction to ambient, 0.24" x 0.24" (6.0 mm x 6.0 mm) copper pads to each terminal

²⁾ Thermal resistance from junction to terminal, 0.24" x 0.24" (6.0 mm x 6.0 mm) copper pads to each terminal



LL4001 THRU LL4007

■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
LL4001 THRU LL4007	F1	Approximate 0.0306	5000	10000	50000	13" reel

■Characteristics (Typical)

图1: 正向电流降额曲线
FIG.1: FORWARD CURRENT DERATING CURVE

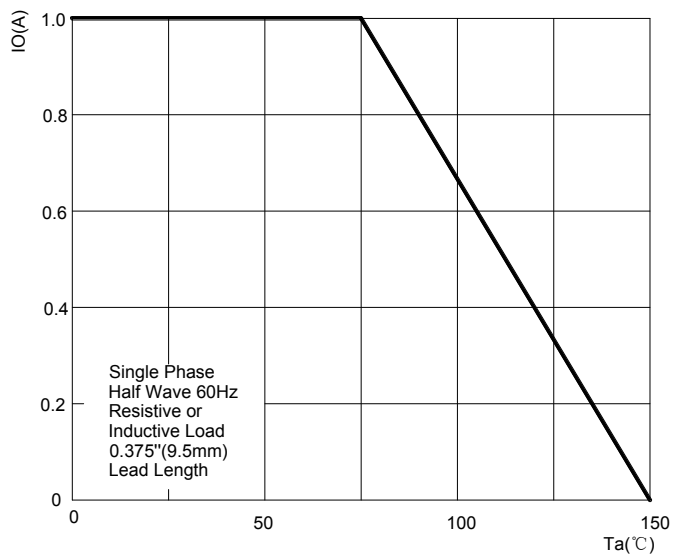


图2: 最大正向浪涌冲击耐受力
FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

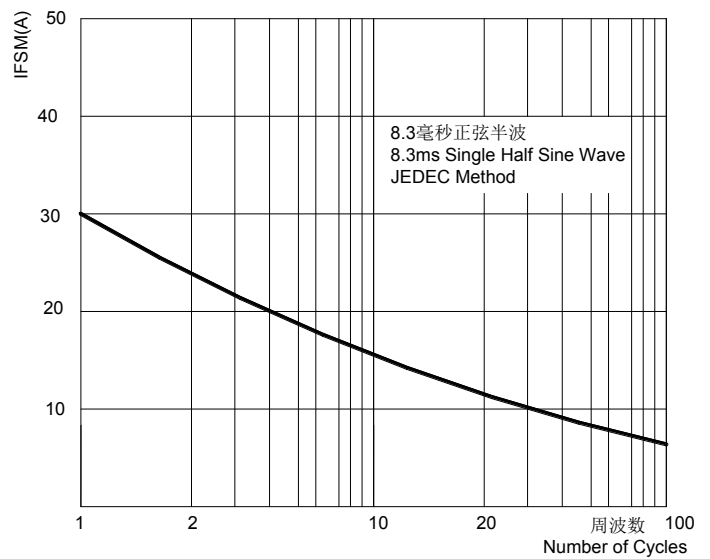


图3: 典型正向特性曲线
FIG.3: TYPICAL FORWARD CHARACTERISTICS

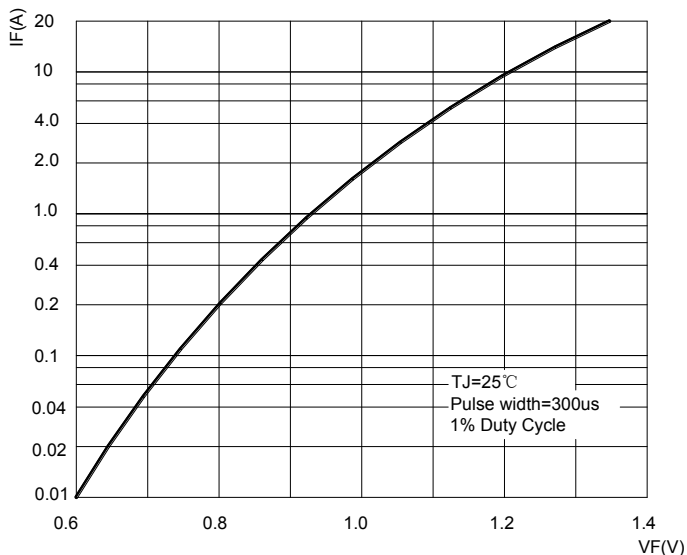
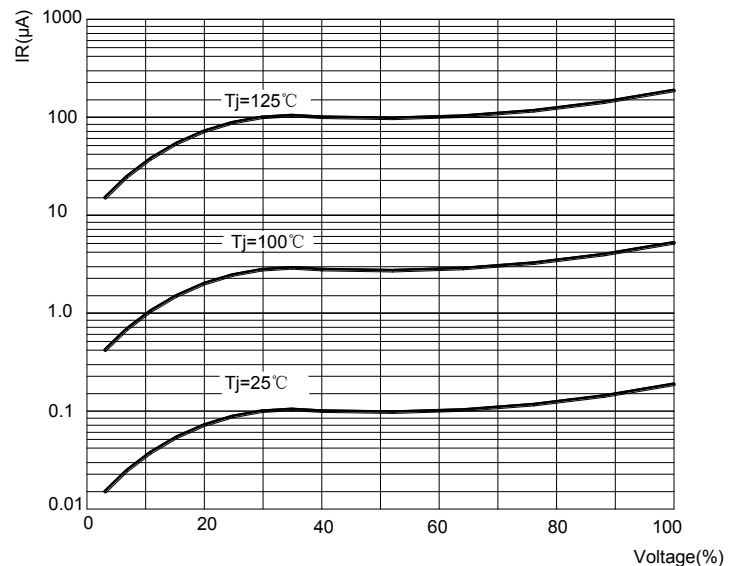


图4: 典型反向特性曲线
FIG.4: TYPICAL REVERSE CHARACTERISTICS





Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.