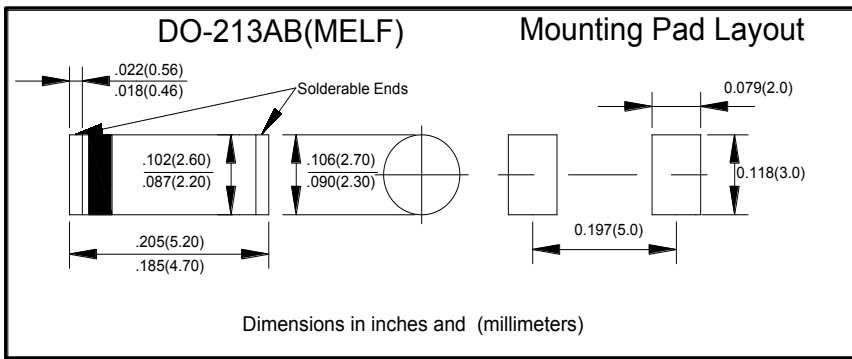


## General Purpose Rectifier



### 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	$I_{RRM1}$	$\mu\text{A}$	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$						
	$I_{RRM2}$			$T_a=125^\circ\text{C}$						
Thermal Resistance(Typical)	$R_{\theta J-A}$	$^\circ\text{C/W}$	Between junction and ambient				75 <sup>1)</sup>			
	$R_{\theta J-T}$		Between junction and terminal				30 <sup>2)</sup>			

### Notes:

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

<sup>2)</sup> 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)

PREFERRED 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

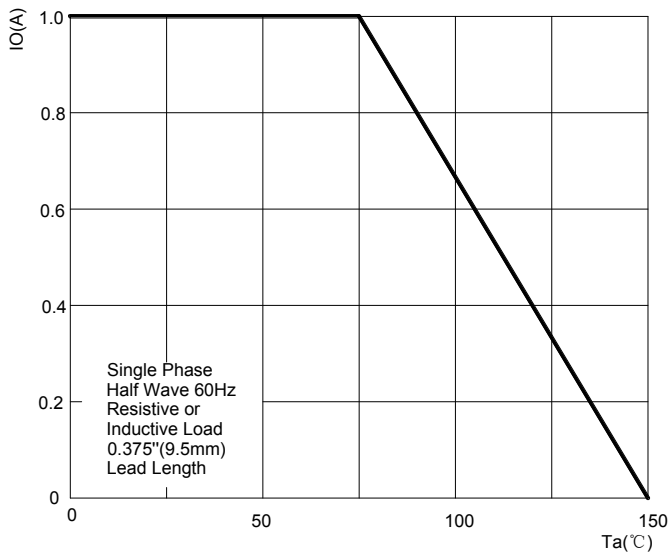


图2: 最大正向浪涌冲击耐受力  
FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

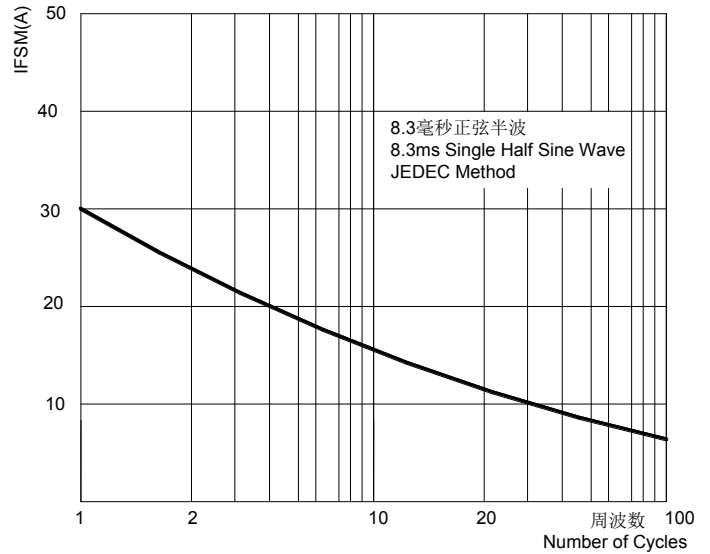


图3: 典型正向特性曲线  
FIG.3: TYPICAL FORWARD CHARACTERISTICS

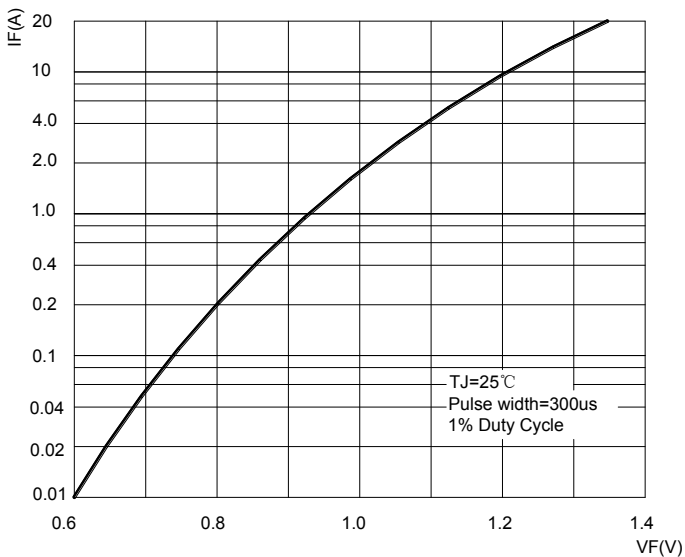
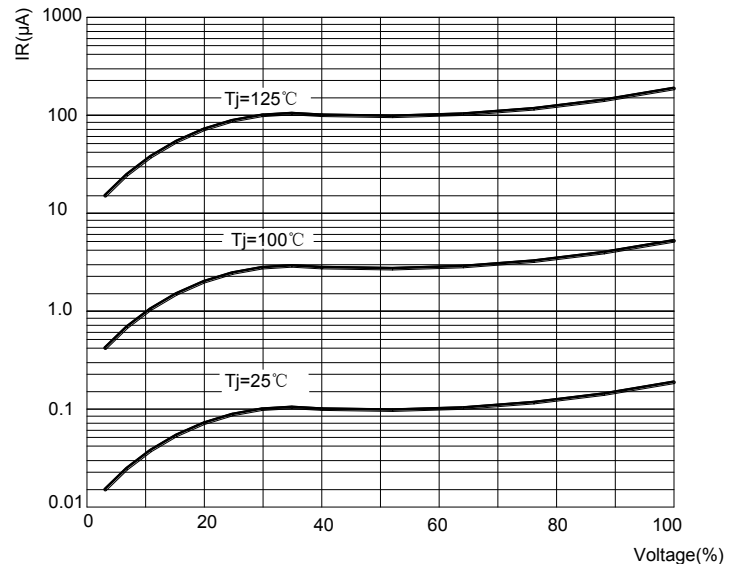


图4: 典型反向特性曲线  
FIG.4: TYPICAL REVERSE CHARACTERISTICS





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