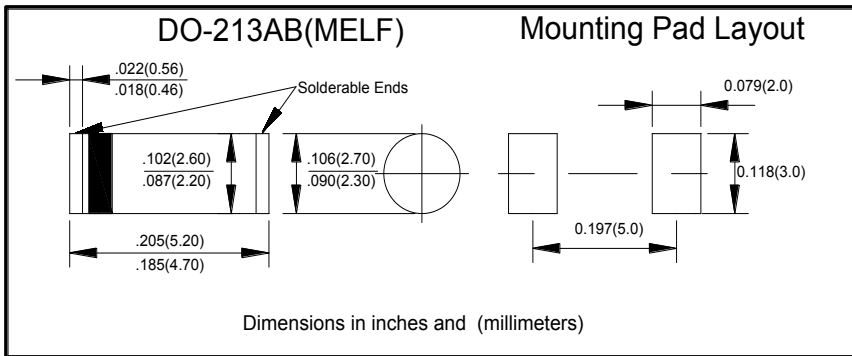


Schottky Rectifier



Features

- I_o 1.0A
- VRRM 20V-40V
- High surge current capability

Applications

- Rectifier

■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	LL58		
				17	18	19
Repetitive Peak Reverse Voltage	V_{RRM}	V		20	30	40
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave, Resistance load, $T_a=80^\circ\text{C}$	1.0		
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$	25		
Junction Temperature	T_J	$^\circ\text{C}$		-55~+125		
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		Max		
Peak Forward Voltage	V_{FM}	V	$I_{FM}=1.0\text{A}$		LL58		
					17	18	19
Peak Reverse Current	I_{RRM1}	mA	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$	1.0		
	I_{RRM2}			$T_a=125^\circ\text{C}$	10		
Thermal Resistance(Typical)	$R_{\theta J-A}$	$^\circ\text{C/W}$	Between junction and ambient		80		



LL5817 THRU LL5819

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
LL5817 THRU LL5819	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

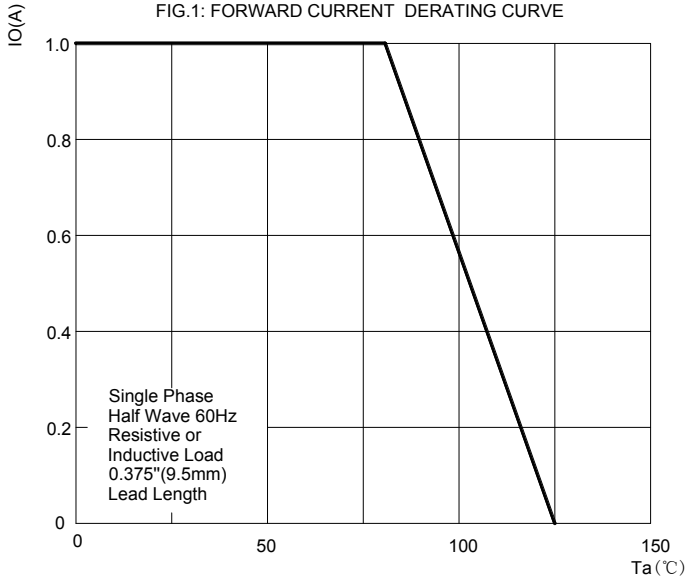


图2:最大正向浪涌冲击耐受力

FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

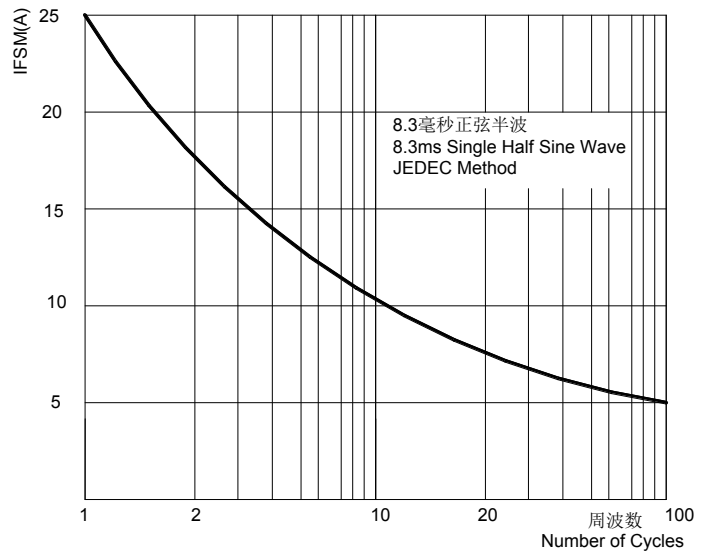


图3:典型正向特性曲线

FIG.3: TYPICAL FORWARD CHARACTERISTICS

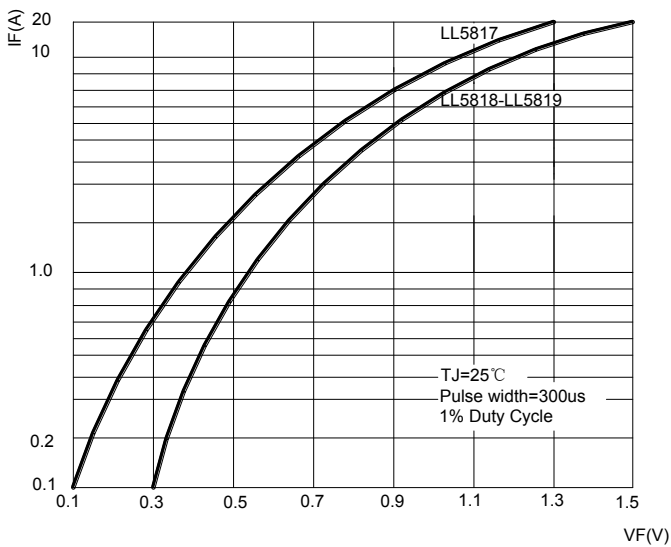
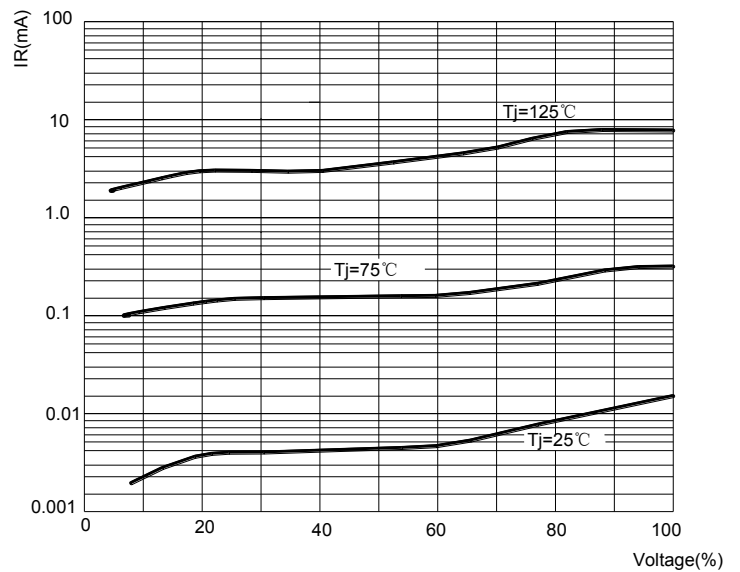


图4:典型反向特性曲线

FIG.4: TYPICAL REVERSE CHARACTERISTICS





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