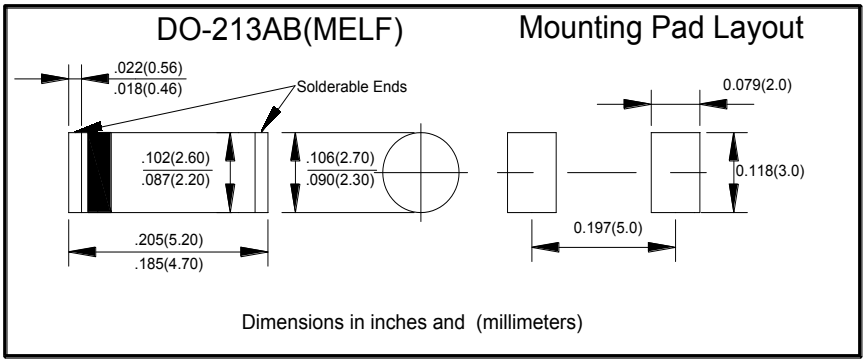
RoHS COMPLIANT

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, Ta=80℃	1.0		
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz Half-sine wave,1 cycle, Ta=25℃	25		
Junction Temperature	T_J	℃		-55~+125		
Storage Temperature	T_{STG}	℃		-55 ~ +150		

■Electrical Characteristics（Ta=25℃ Unless otherwise specified）

Item	Symbol	Unit	Test Condition		Max		
Peak Forward Voltage	V_{FM}	V	I_{FM}=1.0A		LL58		
					17	18	19
					0.45	0.55	0.6
Peak Reverse Current	I_{RRM1}	mA	$V_{RM}=V_{RRM}$	Ta=25℃	1.0		
	I_{RRM2}			Ta=125℃	10		
Thermal Resistance(Typical)	$R_{\theta J-A}$	℃/W	Between junction and ambient		80		

■Ordering Information (Example)

PREFERED 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

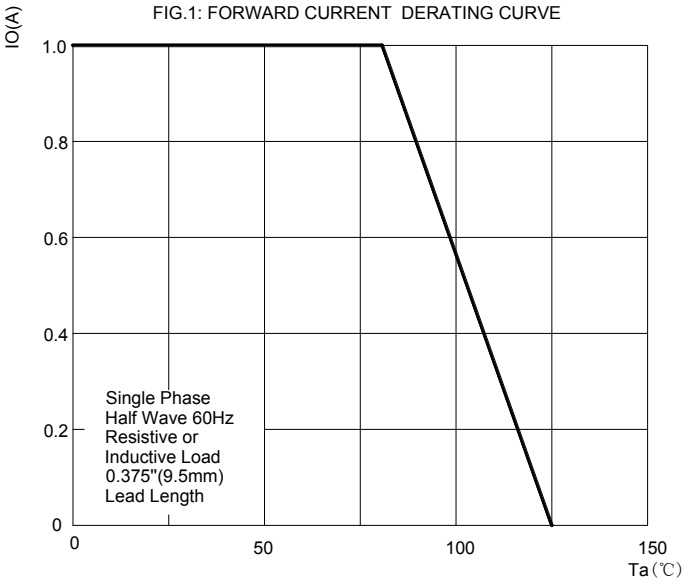


图2:最大正向浪涌冲击耐受力
FIG.2:MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

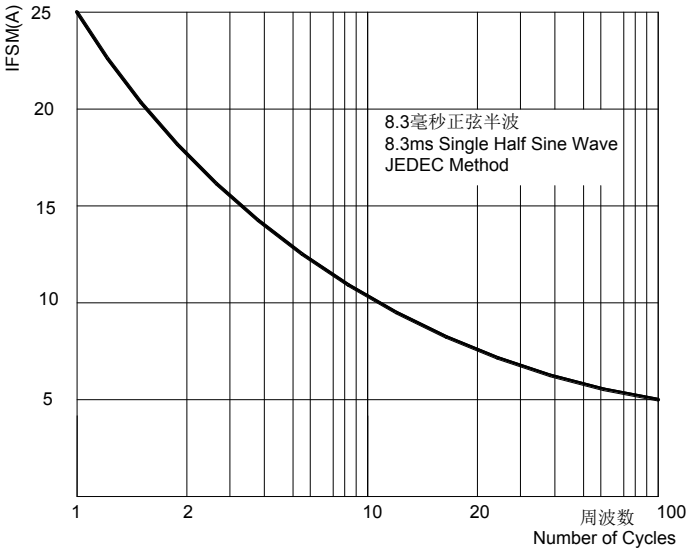


图3:典型正向特性曲线
FIG.3:TYPICAL FORWARD CHARACTERISTICS

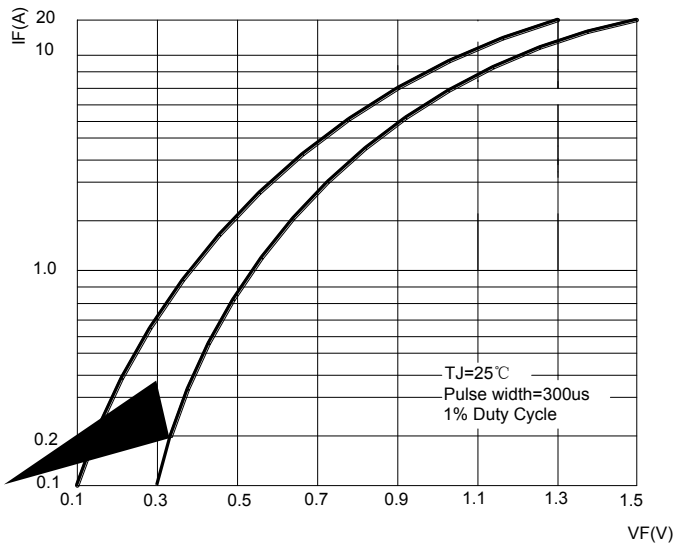
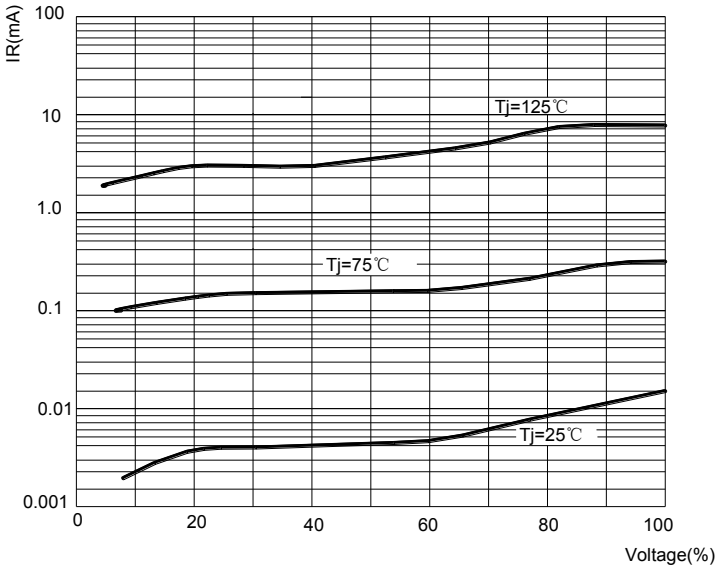


图4：典型反向特性曲线
FIG.4:TYPICAL REVERSE CHARACTERISTICS



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