



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	$V_{RM}=V_{RRM}$	1.0		
	I_{RRM2}			10		
Thermal Resistance(Typical)	$R_{\theta J-A}$	$^\circ\text{C/W}$	Between junction and ambient	80		

PACKAGING INFORMATION

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)

