



Micro Commercial Components

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LL60 LL60P

Features

- High Reliability
- Low Reverse Current and Low Forward Voltage
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -65°C to +125°C
- Storage Temperature: -65°C to +125°C

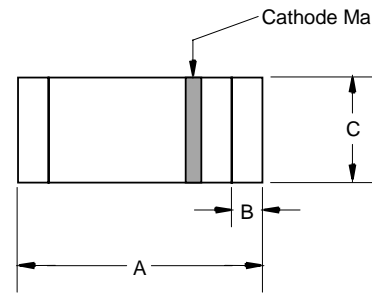
Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Type	Value	Test Condition
Repetitive Peak Reverse Voltage	V_{RRM}	LL60	40V	
		LL60P	45V	
Average Forward Current	$I_{F(AV)}$	LL60	30mA	$T_a = 25^\circ\text{C}$
		LL60P	50mA	$T_a = 25^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	LL60	150mA	$t_p \leq 1\text{s}$
		LL60P	500mA	$t_p \leq 1\text{s}$
Junction Ambient	R_{thJA}		250K/W	On PC board 50mm × 50mm × 1.6mm

Note:1.Lead in Glass Exemption Applied, see EU Directive Annex 5.

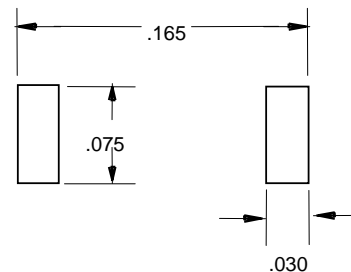
Schottky Barrier Rectifier

MiniMELF



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.130	.146	3.30	3.70	
B	.008	.016	.20	.40	
C	.055	.059	1.40	1.50	∅

SUGGESTED SOLDER PAD LAYOUT



LL60, LL60P



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Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Test Conditions	Type	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F=1\text{mA}$	LL60	V_F	---	0.32	0.5	V
		LL60P	V_F	---	0.24	0.5	V
	$I_F=30\text{mA}$	LL60	V_F	---	0.65	1.0	V
		LL60P	V_F	---	0.65	1.0	V
Reverse current	$V_R=15\text{V}$	LL60	I_R	---	0.1	0.5	μA
		LL60P	I_R	---	0.5	1.0	μA
Junction capacitance	$V_R=1\text{V}, f=1\text{MHz}$	LL60	C_J	---	2.0	---	pF
	$V_R=10\text{V}, f=1\text{MHz}$	LL60P	C_J	---	6.0	---	pF
Reverse recovery time	$I_F=I_R=1\text{mA}, I_{rr}=1\text{mA}$ $R_C=100\Omega$		t_{rr}	---	---	1.0	ns



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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;2.5Kpcs/Reel

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