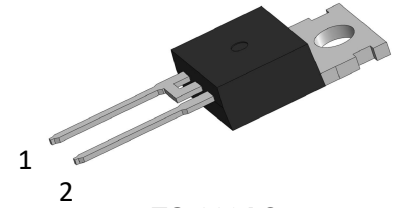


# LFR16E60SAC

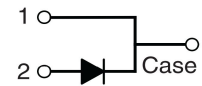
## Fast Recovery Diode

### 1. FEATURES

- We declare that the material of product compliance with RoHS requirements and Halogen Free.
- Plastic package has Underwriters Laboratory Flammability Classification 94 V-0
- Low leakage current
- Fast recovery time



TO-220AC



Case Positive

### 2. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LFR16E60SAC	LFR16E60S	50pcs/Tube

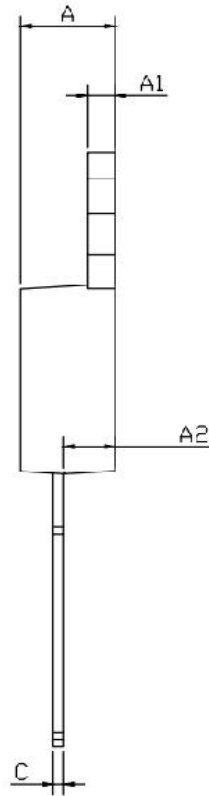
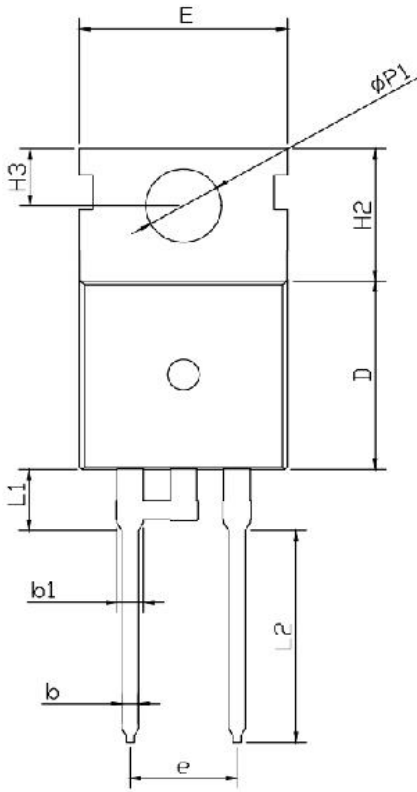
### 3. MAXIMUM RATINGS(Tc=25°C)

Parameter	Symbol	Limit	Unit
Maximum Repetitive Peak Reverse Voltage	VRRM	600	V
Maximum RMS Voltage	VRMS	420	V
Maximum DC Blocking Voltage	VR	600	V
Average Forward Current (Tc=115°C, Duty Cycle=0.5)	IF(AV)	16	A
Peak Forward Surge Current 8.3ms Single Half Sine Wave Superimposed On Rated Load	IFSM	200	A
Operation Junction And Storage Temperature Range	TJ,TSTG	-55 ~ +150	°C
Typical Thermal Resistance	RθJC	1.5	°C/W

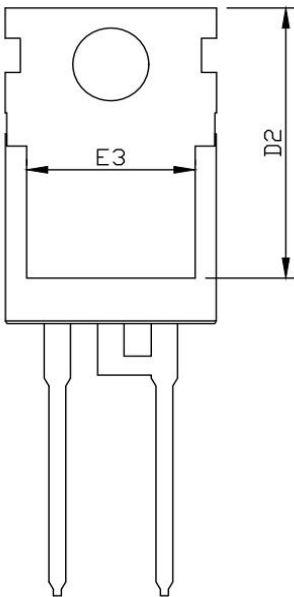
### 4. ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	Conditions	Min	Typ	Max	Unit
Forward Voltage	VF	IF=16A, Tj=25°C			1.7	V
		IF=16A, Tj=125°C			1.6	V
Reverse Leakage Current	IR	VR=600V, Tj=25°C			10	μA
		VR=600V, Tj=125°C			400	μA
Reverse Recovery Time	Trr	IF=0.5A, IR=1A, IRR=0.25A, Tj=25°C			40	ns

**5. OUTLINE AND DIMENSIONS**



TO-220AC			
DIM	MIN	NOR	MAX
A	4.40	4.50	4.60
A1	1.20	1.30	1.40
A2	2.20	2.40	2.60
b	0.70	0.80	0.90
b1	1.15	1.25	1.35
C	0.40	0.50	0.60
D	9.00	9.20	9.40
D2	13.3REF		
E	9.70	10.00	10.30
E3	8.0REF		
e	4.98	5.08	5.18
H2	6.20	6.50	6.80
H3	2.60	2.80	3.00
L1	2.80	3.10	3.40
L2	10.00	10.30	10.60
ΦP1	3.50	3.60	3.70
Dimensions are in mm			



**DISCLAIMER**

- Curve guarantee in the specification. The curve of test items with electric parameter is used as quality guarantee. The curve of test items without electric parameter is used as reference only.
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