MUR1560CT-OSEN

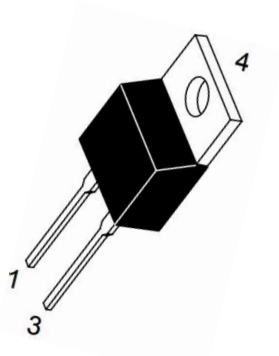
Super-Fast Rectifier - 15Amp 600Volt

◆ Features:

- ✧ Super fast recovery time. high voltage
  快恢复时间，高电压
- ✧ Low forward voltage drop
  正向压降低
- ✧ High efficiency and low power loss
  高效低功耗
- ✧ High volume of current and good capability of surge current
  大电流浪涌能力强

RoHS COMPLIANT

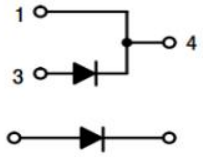
TO-220AB-2L

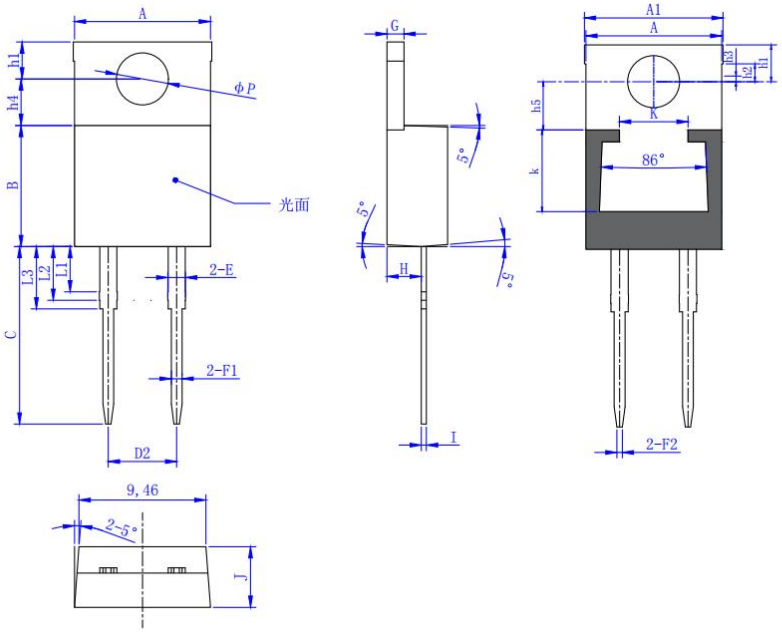


◆ Applications

- ✧ High frequency rectifier of switching mode power supplies
  高频整流器开关电源
- ✧ Freewheeling diodes
  续流二极管
- ✧ Polarity protection application
  极性保护应用
- ✧ DC-DC converters
  直流-直流变换器

PIN CONNECTIONS





SYMBOL	MM		
	MIN	NOM	MAX
*A	10.00	10.05	10.20
*A1	10.10	10.30	10.50
A2	9.80	9.90	10.00
*B	8.80	9.00	9.20
*C	12.80	13.10	13.40
*D2		5.08BSC	
E	1.27	1.32	1.40
*F1	0.75	0.80	0.85
*G	1.26	1.27	1.28
*H	2.40	2.55	2.70
h1	2.70	2.74	2.80
h2	1.27	1.32	1.37
h3	0.40	0.42	0.45
*h4	3.40	3.45	3.50
h5	3.60	3.63	3.65
*I	0.35	0.38	0.45
*J	4.45	4.50	4.60
*K	4.90	5.00	5.10
*k	6.00	6.03	6.05
L1	3.30	3.40	3.50
L2	3.90	4.00	4.10
*L3	4.50	4.60	4.70
*ϕP	3.75	3.80	3.90
带*为检验尺寸，C之尺寸参考原则必须满足有“实脚”			

◆ Absolute Maximum Ratings (Tc=25°C)

Symbol	Parameters	Ratings	Unit
V_{RRM}	Repetitive Peak Reverse Voltage 最大反向重复峰值电压	**600**	V
V_{RWM}	Working peak reverse voltage 反向峰值工作电压	**600**	V
V_R	Maximum DC blocking voltage 最大直流反向电压	**600**	V
$I_{F(AV)}$	Maximum average forward rectified current Total device 最大正向平均电流	**15**	A
I_{FSM}	Peak Forward Surge Current 正向峰值浪涌电流	**150**	A
T_j	Operating junction temperature range 结温	**175**	℃
T_{stg}	Storage temperature range 贮存温度	**-55~175**	℃

◆ Electrical characteristics

Symbol	Parameters	Min	Typical	Max	Units	Conditions
I_R	Maximum Reverse Leakage Current （Note 1） 最大反向瞬态电流	--	--	**10**	μA	V_R=600V，T_C = 25 °C
V_F	Maximum Instantaneous Forward Voltage（Note 2） 最大瞬态正向压降	--	**1.25**	**1.44**	V	I_F= 15 A，T_C = 25 °C
$R_{th(j-c)}$	Typical Thermal Resistance,Junction to Case 结到外壳的典型热阻	--	--	**1.50**	°C/W	
dV/dt	Voltage Rate of Change 电压变化率	--	--	**10000**	V/μs	
Trr	Maximum Reverse recovery time 最大反转恢复时间	--	**39**	**49**	ns	IF=1.0A,V_R=30V dIF/dt=50A/us

Note 1: 2.0uS Pulse Width, f=1.0KHz

Note 2: Pulse Test : 300us Pulse Width, 2% Duty Cycle

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