



DP60C080

主要参数 MAIN CHARACTERISTICS

IF(AV)	60A
VR	800 V
Tj(max)	150°C
VF(typ)25°C	1.1V

用途

- 吸收回路
- 开关电源
- 高频开关器件并联二极管

APPLICATIONS

- Snubber diode
- Switch power supply
- Antiparalle Diode for high frequency switching devices

产品特性

- 低功耗，高效率
- 高可靠性
- 环保（RoHS）产品

FEATURES

- Low power loss, high efficiency
- High reliability
- RoHS product

封装 Package

TO-247-2L



订货信息 ORDER MESSAGE

订货型号 Order codes		印记 Marking	封装 Package
有卤-条管 Halogen-Tube	无卤-条管 Halogen Free-Tube		
DP60C080-GL-B	DP60C080-GL-BR	DP60C080	TO-247-2L

**绝对最大额定值 ABSOLUTE RATINGS (T_C=25℃)**

项 目 Parameter	符 号 Symbol	数 值 Value	单 位 Unit
最大反向重复峰值电压 Repetitive peak reverse voltage	V _{RRM}	800	V
正向平均整流电流 Average forward Current T _C =25℃	I _{F(AV)}	60	A
峰值单脉冲浪涌电流 Peak one Cycle Surge Forward Current(Non-Repetitive) t=10.0ms	I _{FSM}	780	A
电流平方时间积 Current squared time 1ms ≤ t < 10ms T _j =25℃	I ² t	3042	A ² S
结温 Junction Temperature	T _j	-50~+150	℃
储存温度 Storage temperature range	T _{STG}	-50~+150	℃

电特性 ELECTRICAL CHARACTERISTICS (T_C=25℃ unless otherwise specified)

项 目 Parameter	测试条件 Tests conditions		最小值 Value(min)	典型值 Value(typ)	最大值 Value(max)	单 位 Unit
V _{RRM}	I _R =100μA		800	-	-	V
I _R	T _j =25℃	V _R =V _{RRM}	-	0.5	1	μA
	T _j =150℃		-	5	10	μA
V _F	T _j =25℃	I _F =60A	-	1.1	1.4	V
	T _j =150℃		-	1.0	1.3	V

热特性 THERMAL CHARACTERISTICS

项 目 Parameter	符 号 Symbol	最小值 Value(min)	典型值 Value(typ)	最大值 Value(max)	单 位 Unit
结到管壳的热阻 Thermal resistance from junction to case	R _{th(j-c)}	-	0.7	0.9	℃/W



特征曲线 ELECTRICAL CHARACTERISTICS (CURVES)

FIG.1 TYPICAL FORWARD CHARACTERISTICS

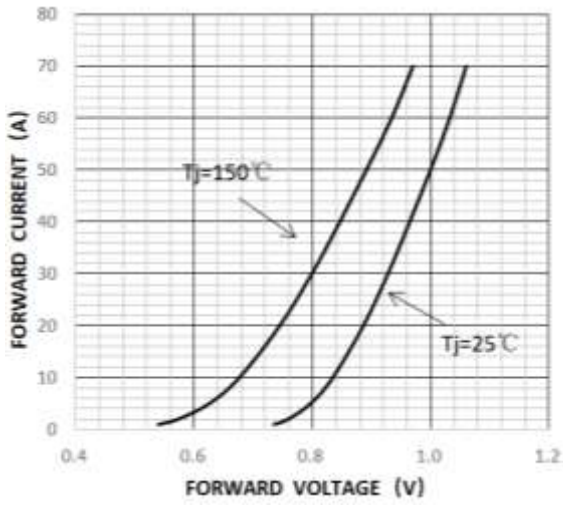


FIG.2 TYPICAL REVERSE CHARACTERISTICS

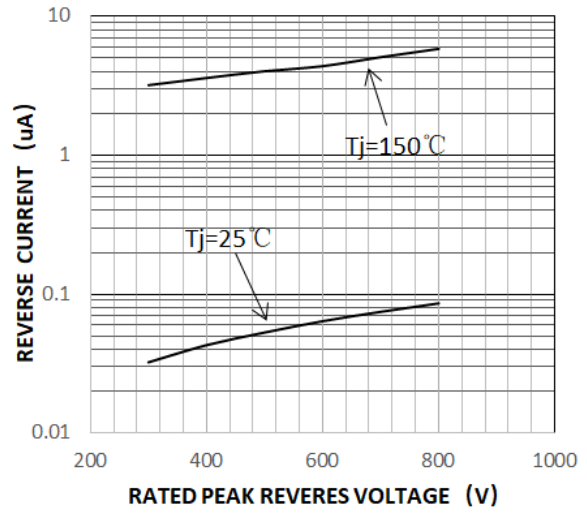


FIG.3 AVERAGE FROWARD CURRENT VS CASE TEMPERATURE

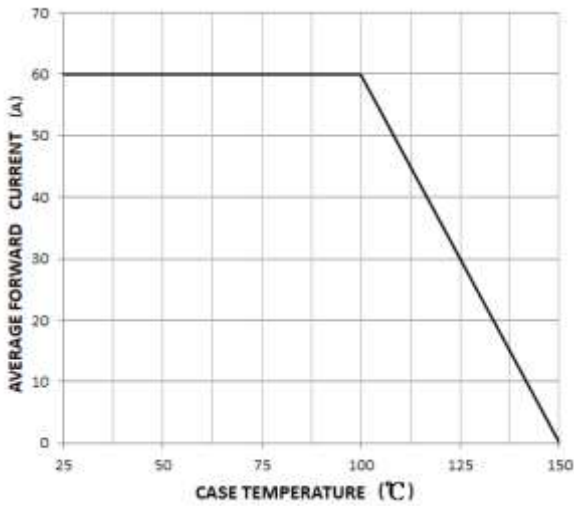
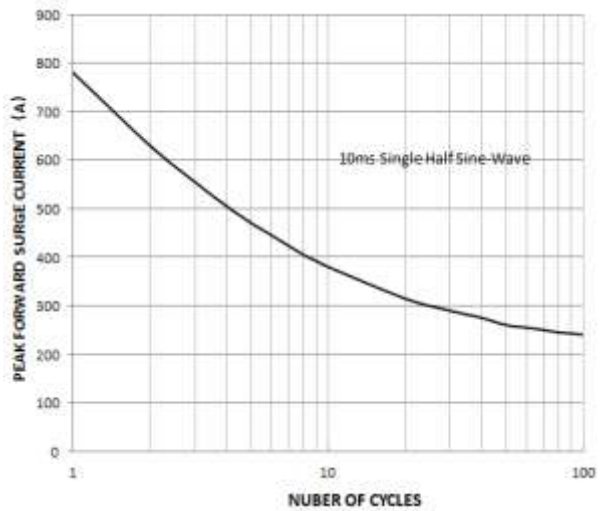


FIG.4 PEAK FORWARD SURGE CURRENT VS NUMBER OF CYCLES

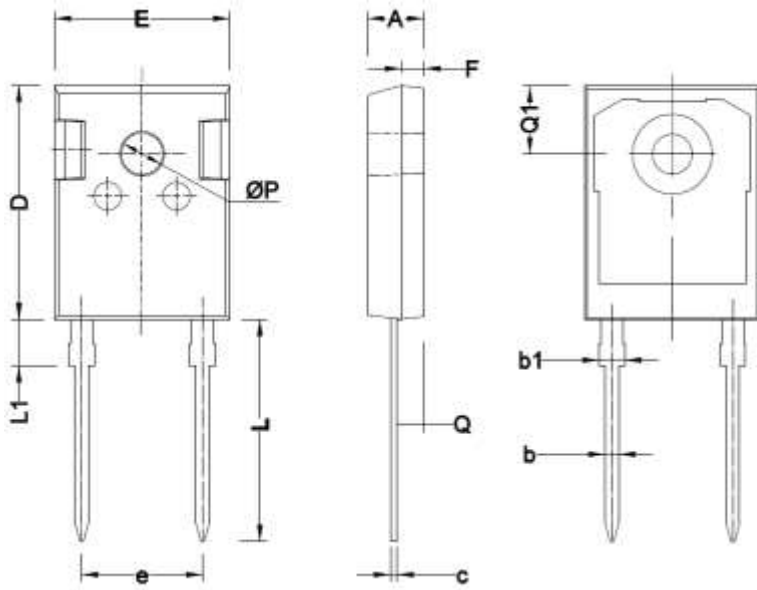




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TO-247-2L

单位 Unit : mm



SYMBOL	MM	
	MIN	MAX
A	4.80	5.20
b	1.10	1.30
b1	1.95	2.25
c	0.50	0.70
D	20.80	21.20
E	15.60	16.00
F	1.85	2.15
e	10.73	11.03
L	19.62	20.22
L1	3.93	4.33
ØP	3.40	3.80
Q	2.26	2.56
Q1	6.00	6.40



注意事项

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NOTE

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