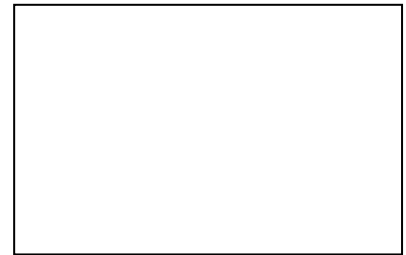


特点

典型应用

额定电压

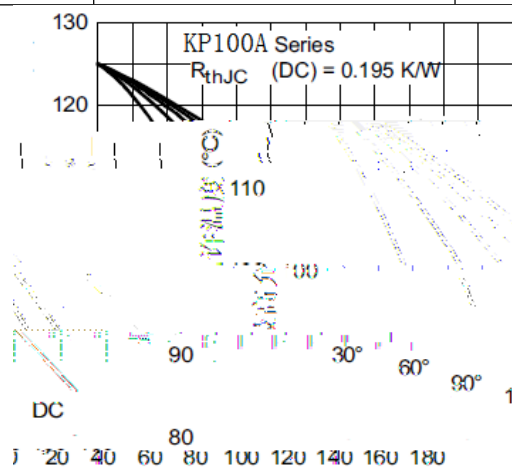


		V	V	@ =
KP100A	10	100	150	20
	20	200	300	
	40	400	500	
	60	600	700	
	80	800	900	
	100	1000	1100	
	120	1200	1300	
	140	1400	1500	
	160	1600	1700	

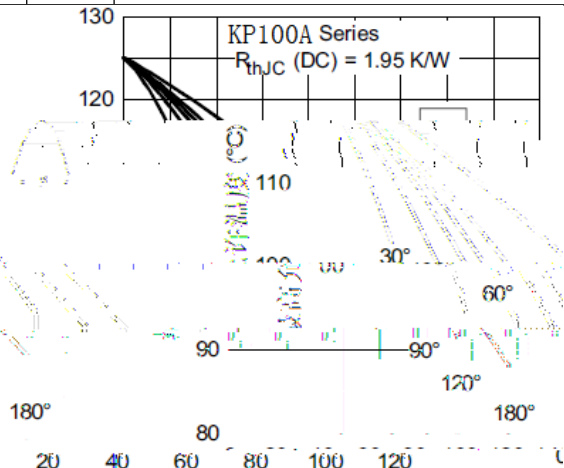
状态条件

	A	KP100A		A	180°C 正弦半波	
		10-120	140-160			
		100	100	A	180°C 正弦半波	
@		90	90	°C		
		175	175	A		
		2700	2700	A	t=10ms	100
		2830	2830		t=8.3ms	
		2700	2700		t=10ms	
		2830	2830		t=8.3ms	
	浪涌电流平方时间积	36.4	36.4	2S	t=10ms	100
		33.2	33.2		t=8.3ms	
		25.8	25.8		t=10ms	
		23.5	23.5		t=8.3ms	
		0.90	0.90	V	(16.7% x x < I < π x , =	
		0.92	0.92		(I > x), =	
		1.79	1.79	Ω	(16.7% x x < I < π x , =	
		1.81	1.81		(I > x), =	
		1.52	1.52		=79A, =25°C	
		600			=25°C, 阳极供应 电阻负载	
		100				

		KP100A		
!	通态电流临界上升率	500	A/us	= max., = =20V,15 , "= #
"		0.9		=25°C \$ =125°C
%		4	us	= max, = "> # di/dt=-10A/us
"	关	110		= max, = "> # =100V di/dt=-10A/us,dv/dt=-20A/us, \$ &% 栅偏 0V-100W
'	断态电压临界上升率	200	V/us	= max, \$ &%
	状态 泄漏	20	mA	TJ = TJ max, rated applied
(	栅极功	5	W	= max
(	栅极功	1	W	= max
(	栅极	2.0	A	= max
+ (		20	V	
- (		5		
(	直 栅极 需要触发	180 90 40		=-40°C =25°C =125°C
(	直 栅极 需要触发	2.9 1.8 1.2	V	=-45°C =25°C =125°C
(	直 栅极 触发	10		= max, \$额定值
(	直 栅极 触发	0.25	V	= max, \$额定值
	操作 范围	-40-125	°C	
)	存储 范围	-40-125	°C	
* +,	热阻抗 (结至壳)	0.195	K/W	直 操作
*,	热阻抗 (壳至散)	0.08	K/W	安装表面光滑、 坦 润滑
T	安装力	15.5	Nm	
-	质量	142	g	



通态平均电流 (A)
Fig. 2 - 额定电流特性



通态平均电流 (A)
Fig. 1 - 额定电流特性

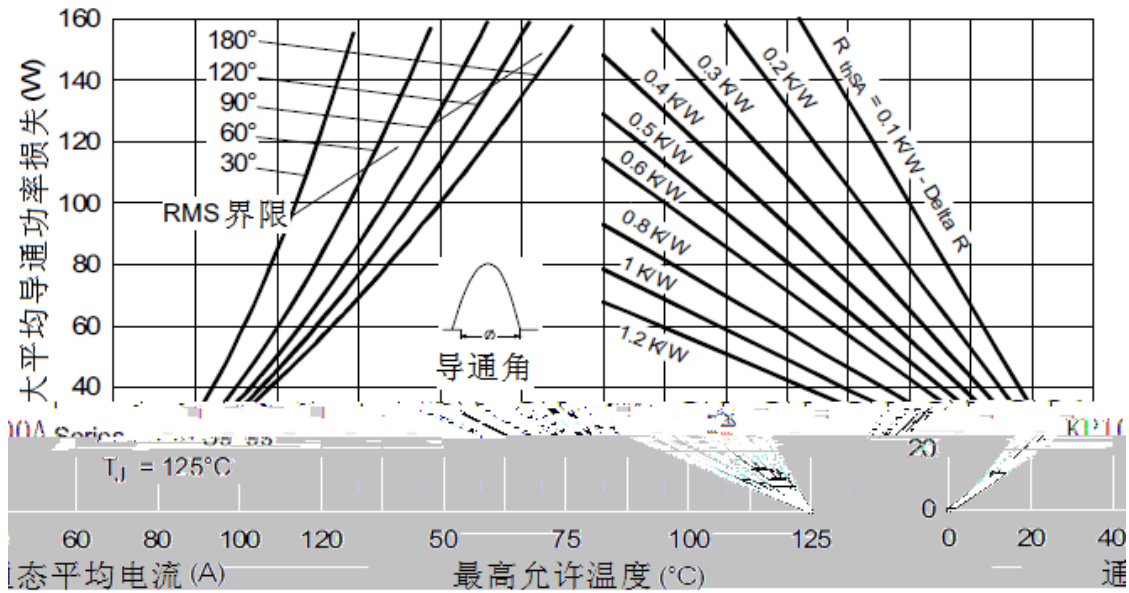


Fig. 3 - 通态损耗特性

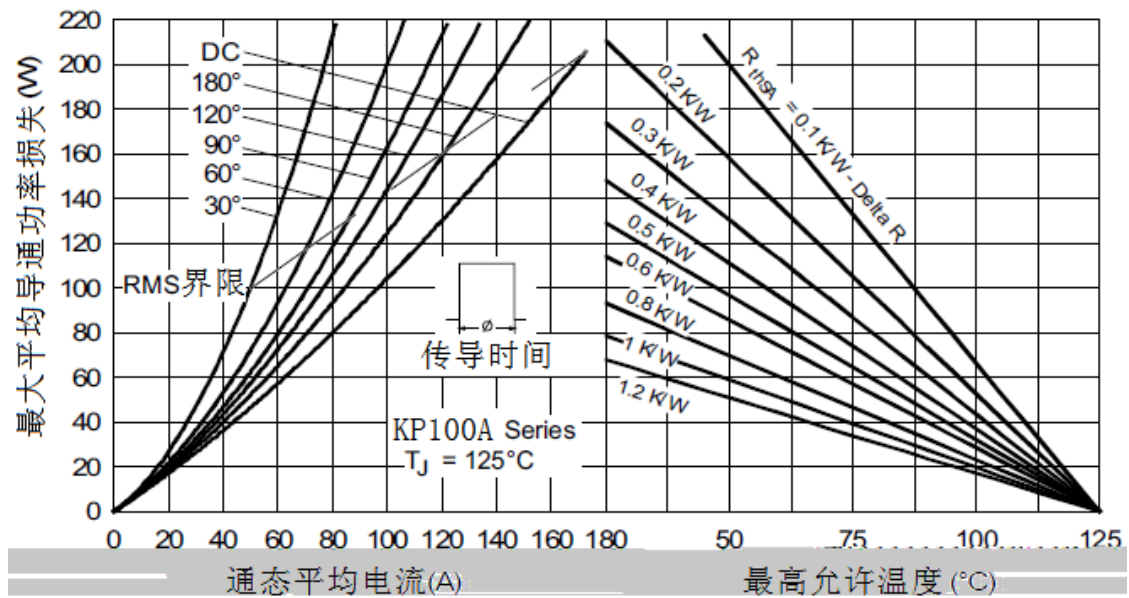


Fig. 4 - 通态损耗特性

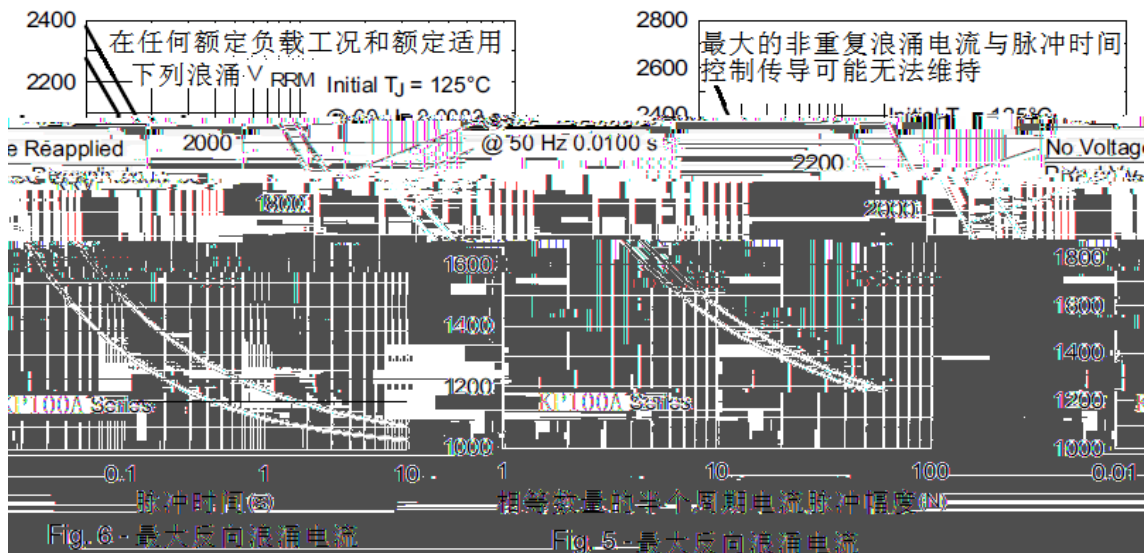


Fig. 6 - 最大反向浪涌电流

Fig. 5 - 最大反向浪涌电流

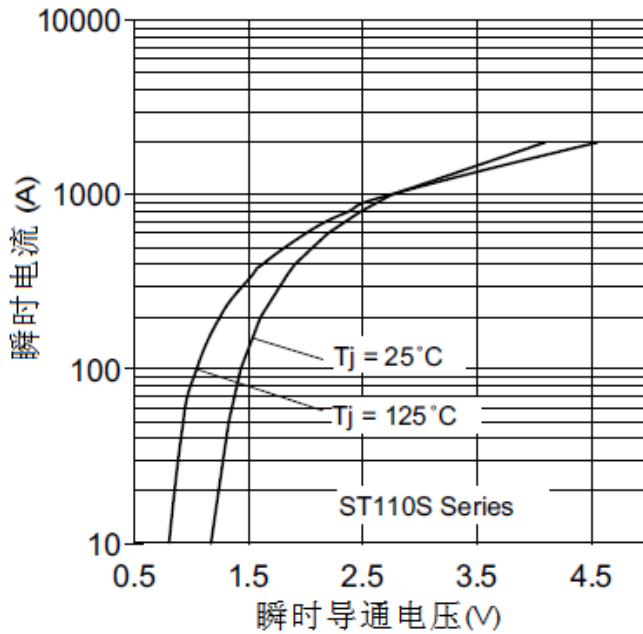


Fig. 7 - 正向压降特性

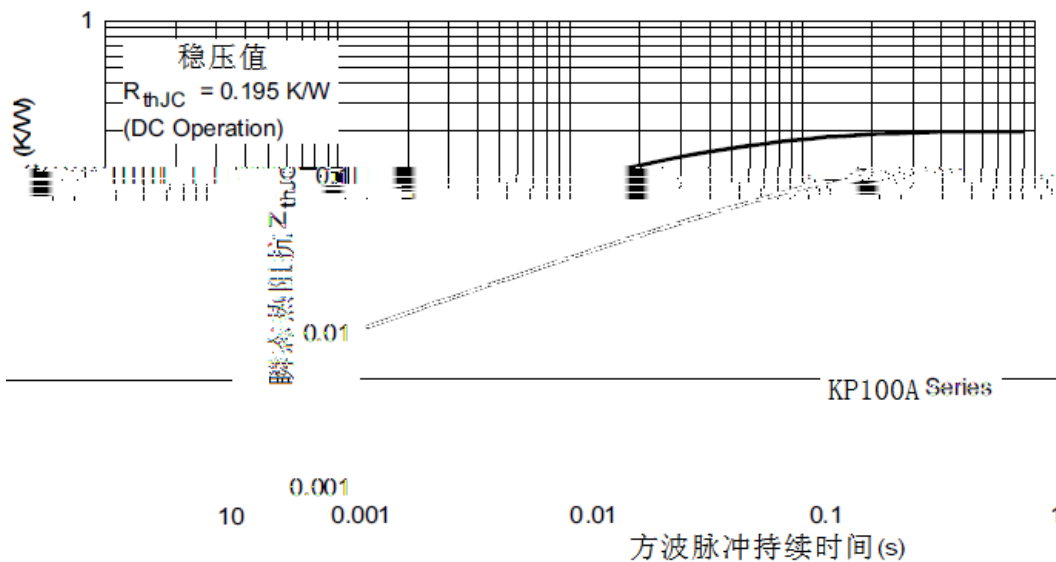


Fig. 8 - 热阻抗特性 Z_{thJC}

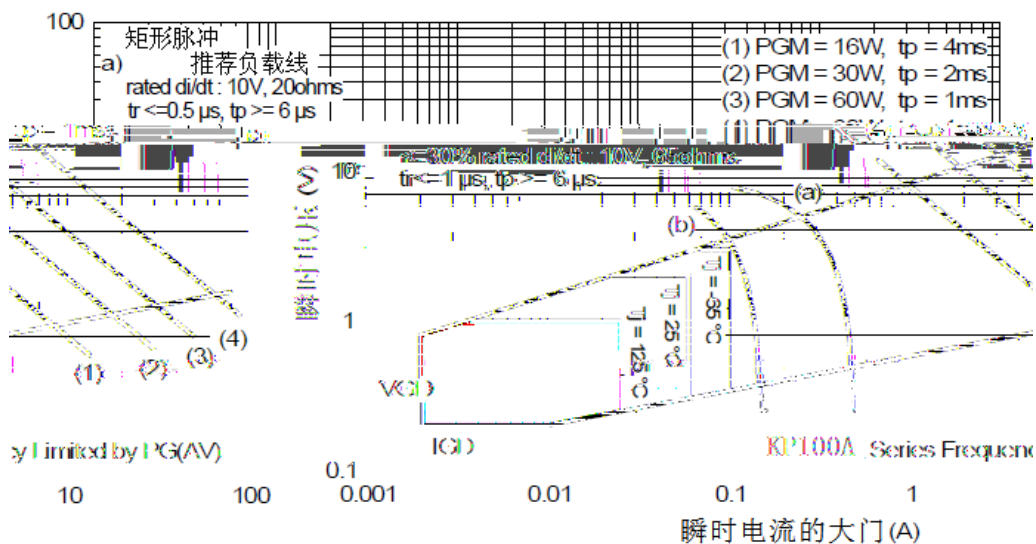
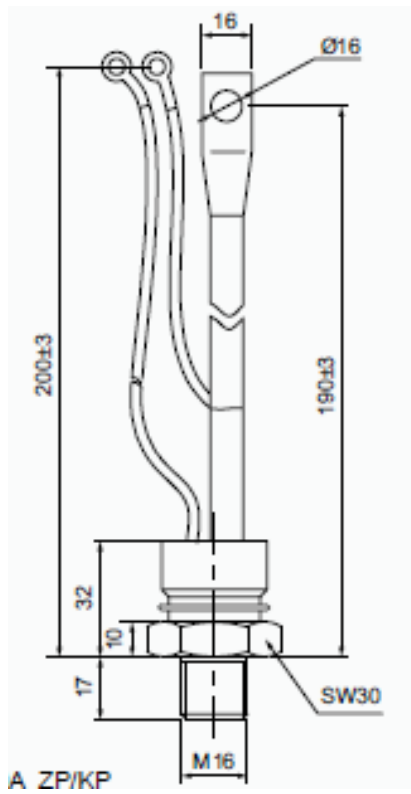


Fig. 16 - 栅极特性

外形图:



图



图