

PSM 系列 Series

IGBT 吸收电容器 IGBT Snubber

基本技术特点 GENERAL TECHNICAL CHARACTERISTICS

引用标准 Reference Standards	IEC 61071-60068
绝缘介质 Dielectric	聚丙烯薄膜 Polypropylene film
结构 Construction	双面金属化膜，内部串联结构 Double sided metallized film with internal series connection
封装 Coating	UL94V-0 阻燃防火和耐溶剂塑胶壳并以环氧树脂灌封 Solvent resistant plastic case with resin sealing Flame retardant execution (UL94V-0)
引出端连接形式 Leads	以螺丝作固定的接线镀锡铜片 Tinned copper lugs for screw fixing

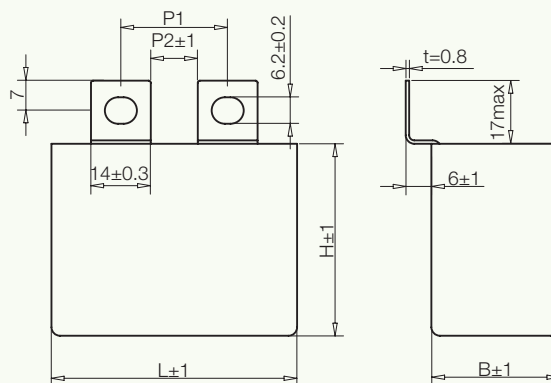


技术规格 ELECTRICAL CHARACTERISTICS

工作温度 Operating Temperature	-40 to +85°C (外壳 case)
电容量 Capacitance	0.047 to 10μF
额定电压 Rated Voltage	700 to 3000VDC
容差 Tolerance	±5% or ±10%
损耗因数 Dissipation Factor	≤6 × 10 ⁻⁴ 在1000±20Hz和25±5°C测定 ≤6 × 10 ⁻⁴ measured at 1000±20Hz and 25±5°C
预期寿命 Life Expectancy	在额定电压和 70°C (热点温度) 的条件下可达100,000小时 100,000 hours at Un and 70°C (Hot-spot temperature)

测试 TEST METHODS AND PERFORMANCE

极间耐电压 Voltage withstand between terminals	在1.5倍额定电压Un下持续10 秒 (25±5°C) 1.5Un (DC) applied for 10 sec at 25±5°C
极壳之间耐电压 Test Voltage Terminal to Case	3kVAC/50Hz 持续60秒 3kVAC/50Hz for 60 sec
自放电时间常数 Self discharge time constant	≥30,000 秒不超过30GΩ (典型值)，电容器充电1分钟后增加100VDC (25±5°C) ≥30,000 sec but need not exceed 30GΩ (typical value), after 1 minute of electrification at 100VDC (25±5°C)



接线镀锡铜片的形式： SB(8B), SK(8K), SU(8U), SC(8C), UF(HF), CF(8F), SR(5R, 6R), SG(6G, 8G), SN(2N), ST, TF, SE, SD 和 SL 可按客户
自定要求订制。

Lug terminal type: SB(8B), SK(8K), SU(8U), SC(8C), UF(HF), CF(8F), SR(5R, 6R), SG(6G, 8G), SN(2N), ST, TF, SE, SD and SL custom
design available upon request.

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产品编码和电性规格 PART NUMBER AND ELECTRICAL SPECIFICATIONS

产品编码 Part Number	容量 Cap (μ F)	长度 L (mm)	宽度 B (mm)	高度 H (mm)	电压 上升 速率 du/dt (V/ μ s)	峰值 电流 I _{peak} (A)	纹波 电流 I _{rms} @25°C @10kHz (A)	等效 串联 电阻 ESR@ 100kHz (m Ω)
Un 700VDC, Urms 380VAC, Us 1050V								
PSM105*2SD2G**S1	1	42.5	24.5	27.5	325	325	15.0	3.2
PSM125*2SD2G**S1	1.2	42.5	24.5	27.5	325	390	16.0	3.1
PSM155*2SC30**S1	1.5	42.5	22.0	30.0	325	487	18.0	2.8
PSM205*2SG3E**S1	2	42.5	33.5	35.5	325	650	22.0	2.5
PSM205*2SE37**S1	2	42.5	28.0	37.0	325	650	21.5	2.5
PSM225*2SG3E**S1	2.2	42.5	33.5	35.5	325	715	22.5	2.4
PSM225*2SE37**S1	2.2	42.5	28.0	37.0	325	715	22.0	2.4
PSM255*2SG3E**S1	2.5	42.5	33.5	35.5	325	812	23.0	2.2
PSM255*2SE37**S1	2.5	42.5	28.0	37.0	325	812	22.5	2.2
PSM305*2SH45**S1	3	42.5	33.0	45.0	325	975	26.0	2.1
PSM305*2SF45**S1	3	42.5	30.0	45.0	325	975	25.5	2.1
PSM335*2SH45**S1	3.3	42.5	33.0	45.0	325	1072	26.5	2.1
PSM335*2SF45**S1	3.3	42.5	30.0	45.0	325	1072	26.0	2.1
PSM355*2SH45**S1	3.5	42.5	33.0	45.0	325	1134	27.0	2.0
PSM355*2SF45**S1	3.5	42.5	30.0	45.0	325	1134	26.5	2.0
PSM405*2SS45**S1	4	57.5	30.0	45.0	220	880	27.0	2.3
PSM405*2SH45**S1	4	42.5	33.0	45.0	325	1300	32.0	1.8
PSM475*2ST50**S1	4.7	57.5	35.0	50.0	220	1034	31.0	2.1
PSM475*2SS45**S1	4.7	57.5	30.0	45.0	220	1034	30.5	2.1
PSM505*2ST50**S1	5	57.5	35.0	50.0	220	1100	31.0	2.1
PSM505*2SS45**S1	5	57.5	30.0	45.0	220	1100	30.5	2.1
PSM565*2ST50**S1	5.6	57.5	35.0	50.0	220	1232	32.0	2.0
PSM685*2ST50**S1	6.8	57.5	35.0	50.0	220	1496	32.0	2.0
PSM106*2SU56**S1	10	57.5	42.5	56.0	220	2200	33.0	1.3
Un 850VDC, Urms 550VAC, Us 1275V								
PSM824*2RD2G**S1	0.82	42.5	24.5	27.5	400	328	15.5	3.1
PSM105*2RD2G**S1	1	42.5	24.5	27.5	400	400	17.5	2.7
PSM105*2RC30**S1	1	42.5	22.0	30.0	400	400	17.0	2.7
PSM155*2RG3E**S1	1.5	42.5	33.5	35.5	400	600	23.0	2.2
PSM155*2RE37**S1	1.5	42.5	28.0	37.0	400	600	22.5	2.2
PSM205*2RG3E**S1	2	42.5	33.5	35.5	400	800	23.5	2.2
PSM225*2RF45**S1	2.2	42.5	30.0	45.0	400	880	26.5	2.0
PSM255*2RH45**S1	2.5	42.5	33.0	45.0	400	1000	27.0	2.0
PSM255*2RF45**S1	2.5	42.5	30.0	45.0	400	1000	26.5	2.0
PSM305*2RS45**S1	3	57.5	30.0	45.0	280	840	28.0	1.9
PSM335*2RS45**S1	3.3	57.5	30.0	45.0	280	924	28.5	2.2
PSM405*2RT50**S1	4	57.5	35.0	50.0	280	1120	29.5	2.1
PSM475*2RT50**S1	4.7	57.5	35.0	50.0	280	1316	32.0	1.9
PSM685*2RU56**S1	6.8	57.5	42.5	56.0	280	1904	33.0	1.5

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Un 1000VDC, Urms 580VAC, Us 1500V								
PSM684*3AD2G**S1	0.68	42.5	24.5	27.5	500	340	15.0	3.3
PSM754*3AD2G**S1	0.75	42.5	24.5	27.5	500	375	15.5	3.2
PSM754*3AC30**S1	0.75	42.5	22.0	30.0	500	375	15.0	3.2
PSM105*3AE37**S1	1	42.5	28.0	37.0	500	500	17.0	2.9
PSM125*3AG3E**S1	1.2	42.5	33.5	35.5	500	600	22.0	2.5
PSM125*3AE37**S1	1.2	42.5	28.0	37.0	500	600	21.5	2.5
PSM155*3AG3E**S1	1.5	42.5	33.5	35.5	500	750	23.5	2.2
PSM1G5*3AH45**S1	1.75	42.5	33.0	45.0	500	875	23.5	2.1
PSM1G5*3AF45**S1	1.75	42.5	30.0	45.0	500	875	23.0	2.1
PSM205*3AH45**S1	2	42.5	33.0	45.0	500	1000	26.5	2.0
PSM225*3AS45**S1	2.2	57.5	30.0	45.0	350	770	26.5	2.5
PSM255*3AS45**S1	2.5	57.5	30.0	45.0	350	875	28.0	2.1
PSM305*3AT50**S1	3	57.5	35.0	50.0	350	1050	31.0	2.1
PSM335*3AT50**S1	3.3	57.5	35.0	50.0	350	1155	31.0	2.0
PSM505*3AU56**S1	5	57.5	42.5	56.0	350	1750	33.0	1.6
Un 1200VDC, Urms 500VAC, Us 1800V								
PSM224*3OD2G**S1	0.22	42.5	24.5	27.5	650	143	11.5	5.2
PSM224*3OA26**S1	0.22	42.5	15.0	26.0	650	143	11.0	5.2
PSM334*3OD2G**S1	0.33	42.5	24.5	27.5	650	210	12.0	5.1
PSM334*3OA26**S1	0.33	42.5	15.0	26.0	650	210	11.5	5.1
PSM394*3OD2G**S1	0.39	42.5	24.5	27.5	650	254	13.0	4.6
PSM394*3OB28**S1	0.39	42.5	17.0	28.0	650	254	12.5	4.6
PSM474*3OD2G**S1	0.47	42.5	24.5	27.5	650	308	14.0	4.1
PSM474*3OC30**S1	0.47	42.5	22.0	30.0	650	308	13.5	4.1
PSM564*3OC30**S1	0.56	42.5	22.0	30.0	650	364	14.0	3.7
PSM564*3OD2G**S1	0.56	42.5	24.5	27.5	650	364	14.5	3.7
PSM684*3OG3E**S1	0.68	42.5	33.5	35.5	650	442	19.0	3.3
PSM684*3OC30**S1	0.68	42.5	22.0	30.0	650	442	18.5	3.3
PSM824*3OG3E**S1	0.82	42.5	33.5	35.5	650	533	20.0	3.0
PSM824*3OE37**S1	0.82	42.5	28.0	37.0	650	533	19.5	3.0
PSM105*3OG3E**S1	1	42.5	33.5	35.5	650	650	20.5	2.7
PSM105*3OE37**S1	1	42.5	28.0	37.0	650	650	20.0	2.7
PSM125*3OH45**S1	1.2	42.5	33.0	45.0	650	780	23.5	2.4
PSM125*3OF45**S1	1.2	42.5	30.0	45.0	650	780	23.0	2.4
PSM155*3OH45**S1	1.5	42.5	33.0	45.0	650	975	25.0	2.1
PSM155*3OF45**S1	1.5	42.5	30.0	45.0	650	975	24.5	2.1
PSM205*3OS45**S1	2	57.5	30.0	45.0	455	910	27.0	1.7
PSM225*3OT50**S1	2.2	57.5	35.0	50.0	455	1001	30.0	2.4
PSM225*3OS50**S1	2.2	57.5	30.0	50.0	455	1001	29.5	2.4
PSM255*3OT50**S1	2.5	57.5	35.0	50.0	455	1138	31.0	2.3
PSM305*3OT50**S1	3	57.5	35.0	50.0	455	1365	32.0	2.1
PSM455*3OU56**S1	4.5	57.5	42.5	56.0	455	2047	33.0	1.7

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Un 1500VDC, Urms 570VAC, Us 2250V								
PSM334*3ZD2G**S1	0.33	42.5	24.5	27.5	800	264	13.5	4.6
PSM394*3ZC30**S1	0.39	42.5	22.0	30.0	800	312	13.5	4.3
PSM474*3ZG3E**S1	0.47	42.5	33.5	35.5	800	376	18.0	3.7
PSM474*3ZE37**S1	0.47	42.5	28.0	37.0	800	376	17.5	3.7
PSM684*3ZG3E**S1	0.68	42.5	33.5	35.5	800	544	19.5	3.1
PSM684*3ZE37**S1	0.68	42.5	28.0	37.0	800	544	19.0	3.1
PSM754*3ZG3E**S1	0.75	42.5	33.5	35.5	800	600	20.5	2.8
PSM105*3ZH45**S1	1	42.5	33.0	45.0	800	800	23.0	2.5
PSM105*3ZF45**S1	1	42.5	30.0	45.0	800	800	22.5	2.5
PSM125*3ZS45**S1	1.2	57.5	30.0	45.0	560	672	25.0	2.8
PSM155*3ZT50**S1	1.5	57.5	35.0	50.0	560	840	28.0	2.5
PSM185*3ZT50**S1	1.8	57.5	35.0	50.0	560	1008	29.5	2.3
PSM255*3ZU56**S1	2.5	57.5	42.5	56.0	560	1400	31.0	1.8
Un 1700VDC, Urms 575VAC, Us 2550V								
PSM224*37D2G**S1	0.22	42.5	24.5	27.5	880	194	13.2	5.3
PSM224*37B28**S1	0.22	42.5	17.0	28.0	880	194	13.0	5.3
PSM334*37D2G**S1	0.33	42.5	24.5	27.5	880	290	14.0	5.0
PSM334*37C30**S1	0.33	42.5	22.0	30.0	880	290	13.5	5.0
PSM474*37G3E**S1	0.47	42.5	33.5	35.5	880	413	19.0	3.8
PSM474*37E37**S1	0.47	42.5	28.0	37.0	880	413	18.5	3.8
PSM564*37G3E**S1	0.56	42.5	33.5	35.5	880	492	19.5	3.1
PSM564*37E37**S1	0.56	42.5	28.0	37.0	880	492	19.0	3.1
PSM684*37G3E**S1	0.68	42.5	33.5	35.5	880	598	20.0	2.9
PSM824*37H45**S1	0.82	42.5	33.0	45.0	880	721	22.1	2.5
PSM824*37F45**S1	0.82	42.5	30.0	45.0	880	721	19.5	2.5
PSM105*37S45**S1	1	57.5	30.0	45.0	610	610	23.5	2.7
PSM125*37S45**S1	1.2	57.5	30.0	45.0	610	732	26.2	2.6
PSM155*37T50**S1	1.5	57.5	35.0	50.0	610	915	28.5	2.4
PSM225*37U56**S1	2.2	57.5	42.5	56.0	610	1342	30.0	1.8
Un 2000VDC, Urms 630VAC, Us 3000V								
PSM104*3DD2G**S1	0.1	42.5	24.5	27.5	1000	100	8.0	13.0
PSM104*3DA26**S1	0.1	42.5	15.0	26.0	1000	100	8.5	13.0
PSM154*3DD2G**S1	0.15	42.5	24.5	27.5	1000	150	10.5	7.5
PSM154*3DB28**S1	0.15	42.5	17.0	28.0	1000	150	10.0	7.5
PSM224*3DD2G**S1	0.22	42.5	24.5	27.5	1000	220	12.0	5.1
PSM224*3DC30**S1	0.22	42.5	22.0	30.0	1000	220	11.5	5.1
PSM334*3DG3E**S1	0.33	42.5	33.5	35.5	1000	330	16.5	4.1
PSM334*3DE37**S1	0.33	42.5	28.0	37.0	1000	330	16.0	4.1
PSM394*3DG3E**S1	0.39	42.5	33.5	35.5	1000	390	17.5	3.6
PSM394*3DE37**S1	0.39	42.5	28.0	37.0	1000	390	17.0	3.6
PSM474*3DH45**S1	0.47	42.5	33.0	45.0	1000	470	20.5	3.2
PSM474*3DE37**S1	0.47	42.5	28.0	37.0	1000	470	20.0	3.2
PSM564*3DH45**S1	0.56	42.5	33.0	45.0	1000	560	21.5	3.0
PSM684*3DS45**S1	0.68	57.5	30.0	45.0	700	476	22.5	3.5
PSM824*3DS45**S1	0.82	57.5	30.0	45.0	700	574	24.0	3.1
PSM105*3DT50**S1	1	57.5	35.0	50.0	700	700	27.0	2.8
PSM125*3DT50**S1	1.2	57.5	35.0	50.0	700	840	29.0	2.4
PSM185*3DU56**S1	1.8	57.5	42.5	56.0	700	1260	31.0	2.0

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Un 2500VDC, Urms 700VAC, Us 3750V								
PSM104*3ED2G**S1	0.1	42.5	24.5	27.5	1350	135	9.0	11.2
PSM104*3EB28**S1	0.1	42.5	17.0	28.0	1350	135	8.5	11.2
PSM154*3ED2G**S1	0.15	42.5	24.5	27.5	1350	202	11.0	7.2
PSM154*3EC30**S1	0.15	42.5	22.0	30.0	1350	202	10.5	7.2
PSM224*3EG3E**S1	0.22	42.5	33.5	35.5	1350	297	15.0	5.2
PSM224*3EE37**S1	0.22	42.5	28.0	37.0	1350	297	14.5	5.2
PSM334*3EG3E**S1	0.33	42.5	33.5	35.5	1350	445	18.0	3.8
PSM474*3EH45**S1	0.47	42.5	33.0	45.0	1350	634	22.0	3.0
PSM564*3ES45**S1	0.56	57.5	30.0	45.0	945	530	22.5	3.5
PSM684*3ET50**S1	0.68	57.5	35.0	50.0	945	642	25.0	3.2
PSM824*3ET50**S1	0.82	57.5	35.0	50.0	945	774	26.0	2.9
PSM125*3EU56**S1	1.2	57.5	42.5	56.0	945	1134	28.0	2.4
Un 3000VDC, Urms 750VAC, Us 5500V								
PSM473*3ID2G**S1	0.047	42.5	24.5	27.5	1600	75	7.4	17.0
PSM473*3IA26**S1	0.047	42.5	15.0	26.0	1600	75	7.0	17.0
PSM683*3ID2G**S1	0.068	42.5	24.5	27.5	1600	108	9.0	12.0
PSM683*3IB28**S1	0.068	42.5	17.0	28.0	1600	108	8.5	12.0
PSM104*3IG3E**S1	0.1	42.5	33.5	35.5	1600	160	12.0	8.5
PSM104*3IC30**S1	0.1	42.5	22.0	30.0	1600	160	11.5	8.5
PSM154*3IG3E**S1	0.15	42.5	33.5	35.5	1600	240	14.5	6.1
PSM154*3IE37**S1	0.15	42.5	28.0	37.0	1600	240	14.0	6.1
PSM224*3IH45**S1	0.22	42.5	33.0	45.0	1600	352	17.6	1.3
PSM224*3IF45**S1	0.22	42.5	30.0	45.0	1600	352	17.0	1.3
PSM334*3IS45**S1	0.33	57.5	30.0	45.0	870	288	21.0	4.2
PSM474*3IT50**S1	0.47	57.5	35.0	50.0	870	408	23.0	3.9
PSM564*3IT50**S1	0.56	57.5	35.0	50.0	870	487	23.0	3.8
PSM824*3IU56**S1	0.82	57.5	42.5	56.0	870	714	26.0	3.0

备注： 产品编码的第7位的“*”是代表可选容差为 J= $\pm$ 5% 或 K= $\pm$ 10%。

产品编码的第13位和第14位的“**”是代表可选25种接线片形式 SB(8B), SK(8K), SU(8U), SC(8C), UF(HF), CF(8F), SR(5R, 6R), SG(6G, 8G), SN(2N), ST, TF, SE, SD 和 SL。

Remark : The “*” in 7th digit is used for the capacitance tolerance, J= $\pm$ 5% or K= $\pm$ 10%.

The “**” in 13th and 14th digits are used for the lug style: SB(8B), SK(8K), SU(8U), SC(8C), UF(HF), CF(8F), SR(5R, 6R), SG(6G, 8G), SN(2N), ST, TF, SE, SD and SL.

规格若有任何变更将不予通知。如有产品安全或技术问题，请即与我司业务部或代理商联系。
Specifications are subject to change without notice. For any concern on safety or technical aspects on the product, please contact our sales offices or agents immediately.