

■ GENERAL TECHNICAL CHARACTERISTICS 技术特性

Reference standards 参考标准	IEC 61071
Dielectric 介质材料	Polypropylene film
Construction 封装结构	Extended double side metallized carrier film with internal series connection and metallized film
Case 外壳材料	Solvent resistant plastic case with resin sealing. Flame retardant execution (UL94V-0).
Leads 引出端	Tinned copper lugs for screw fixing or soldering on PCBS

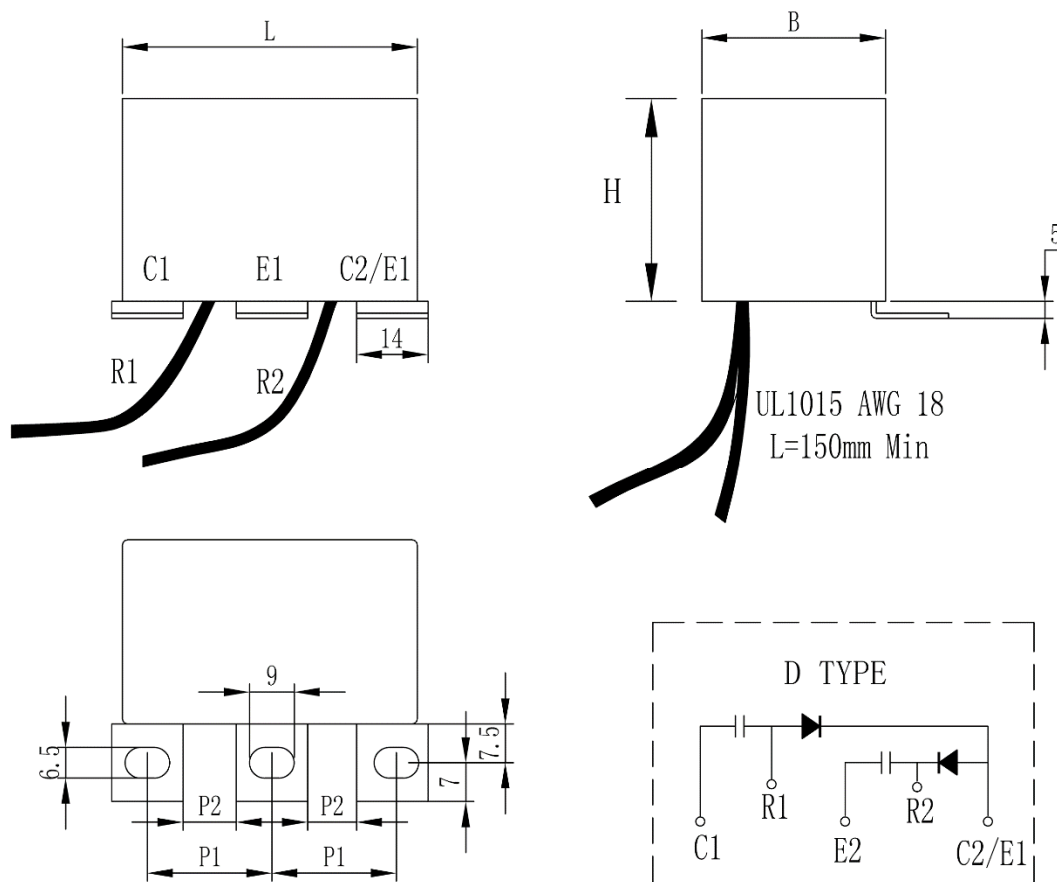
■ ELECTRICAL CHARACTERISTICS 电气特性

Operating temperature 工作温度范围	- 40 to + 85 °C
Capacitance range 容量范围	0.047 to 3.5 μ F
Rated voltage range 额定电压	600 / 1200 Vdc
Capacitance tolerance 容量偏差	$\pm 10\%$
Self inductance 自感系数	$\leq 1\text{nH/mm}$ of fixing pitch
Dissipation factor 损耗角正切	$\leq 6.0 \times 10^{-4}$ Measured at 100 Hz and $20 \pm 5^\circ\text{C}$
Life expectancy 预期寿命	100,000 hours at U_{NDC} and 70°C (Hot-spot temperature)

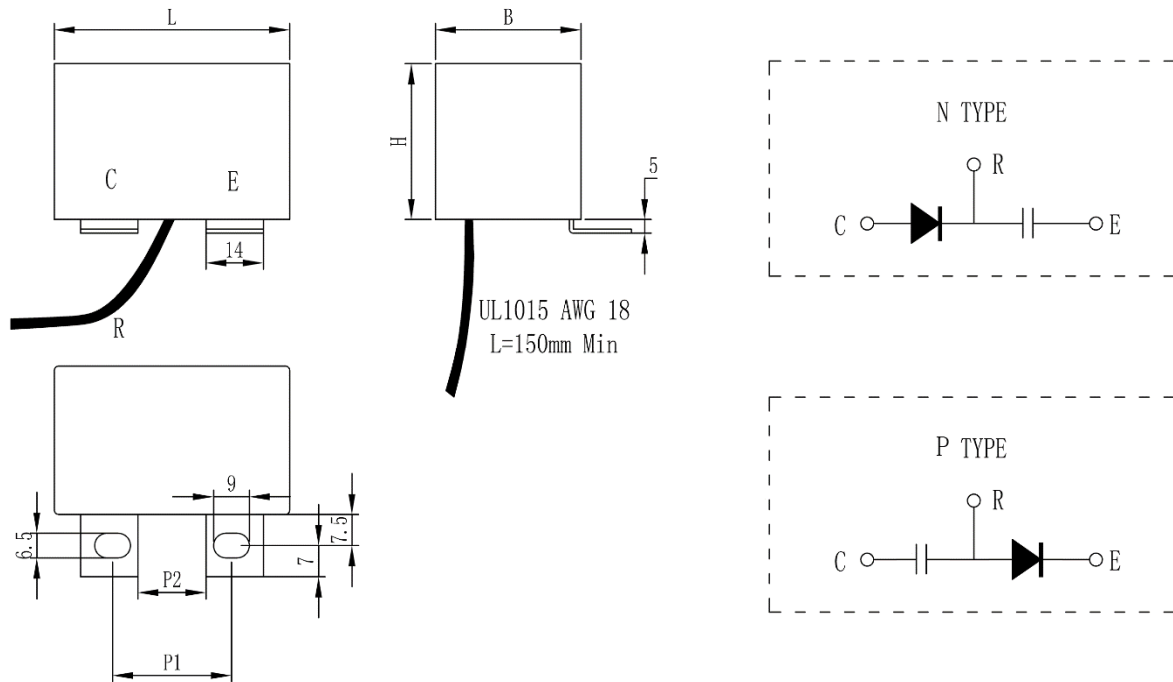
■ TEST METHODS AND PERFORMANCES 测试方法

Dielectric strength 介质强度	$2.0 \times U_{\text{NDC}}$ applied to 10s at $20 \pm 5^\circ\text{C}$
Insulation resistance ($IR \cdot C_N$) 绝缘电阻	3000s but need not exceed $30\text{G}\Omega$, after 1 minute of electrification at 100VDC ($20 \pm 5^\circ\text{C}$)

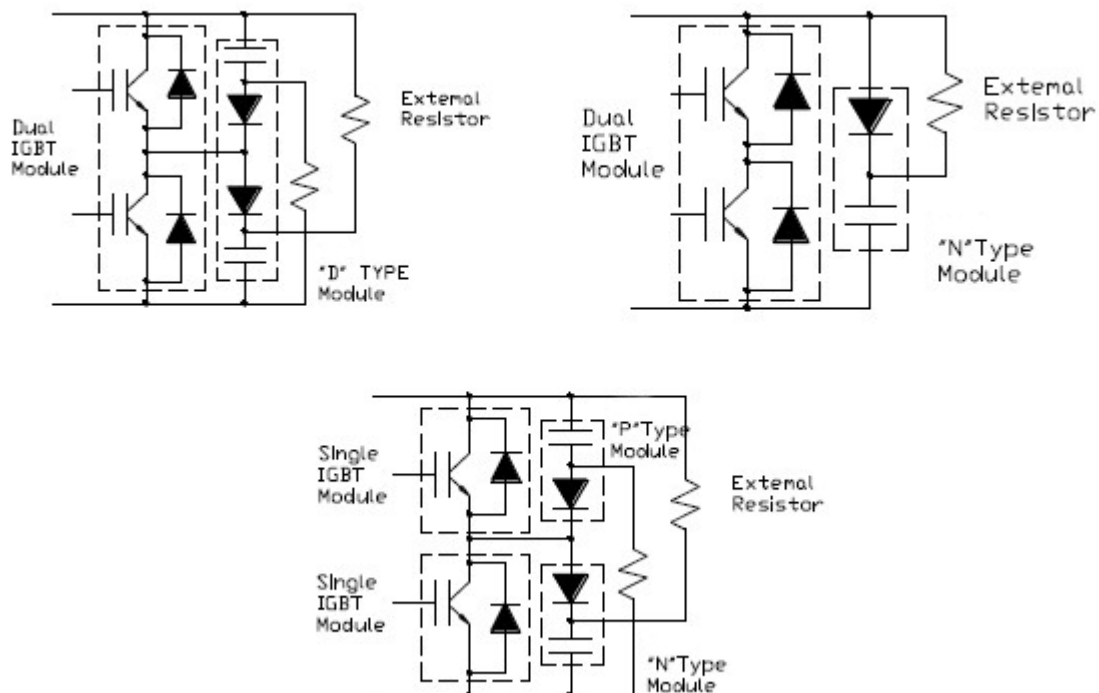
■ OUTLINE DRAWING 外形图



OUTLINE DRAWING 外形图



Type	N		P		D	
	P2	P1	P2	P1	P2	P1
1	8	20-25	8	20-25	9	23-24
2	11	23-28	11	23-28	10	24-25
3	15	27-32	15	27-32	13	27-28



HOW TO ORDER:

K8R	122D	105	K	S	D	P	15	***
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Shape:	Style:	Type:	Lug spacing	Internal
K8R:	101D: 100Vdc	104: 0.1μF	J: ± 5%,	S: Square	S: Single	N, P, D	P2:	Code
ASR Series	102D: 1000Vdc	105: 1.0μF	K: ± 10%		D: Dual		8, 9, 10, 11, 13, 15	

ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Part Number	Cap (μF)	Dimension			Type	IGBT Module			Diode				
		L	B	H		S=Sing D=Dual	Ic (A)	Vce (V)	If (A)	Trr (nS)	Vrrm (v)	Ipeak Surge (A)	Ipeak Rep (A)
U _{NDc} 600Vdc													
K8R601D474KSSP#***	0.47	42.5	22.0	30.0	P	S	200~300	600	30	40	600	300	70
K8R601D474KSSN#***	0.47	42.5	22.0	30.0	N	S	200~300	600	30	40	600	300	70
K8R601D105KSDP#***	1.0	42.5	28.0	37.0	P	D	100~200	600	50	45	600	500	100
K8R601D105KSDN#***	1.0	42.5	28.0	37.0	N	D	100~200	600	50	45	600	500	100
K8R601D105KSSP#***	1.0	42.5	28.0	37.0	P	S	300~400	600	50	45	600	500	100
K8R601D105KSSN#***	1.0	42.5	28.0	37.0	N	S	300~400	600	50	45	600	500	100
K8R601D155KSDP#***	1.5	42.5	30.0	45.0	P	D	200~300	600	50	45	600	500	100
K8R601D155KSDN#***	1.5	42.5	30.0	45.0	N	D	200~300	600	50	45	600	500	100
K8R601D205KSSP#***	2.0	42.5	33.0	45.0	P	S	400~600	600	100	50	600	1000	200
K8R601D205KSSN#***	2.0	42.5	33.0	45.0	N	S	400~600	600	100	50	600	1000	200
K8R601D205KSDP#***	2.0	42.5	33.0	45.0	P	D	300~400	600	100	50	600	1000	200
K8R601D205KSDN#***	2.0	42.5	33.0	45.0	N	D	300~400	600	100	50	600	1000	200
K8R601D355KSDP#***	3.5	57.5	35.0	50.0	P	D	400~600	600	100	50	600	1000	200
K8R601D355KSDN#***	3.5	57.5	35.0	50.0	N	D	400~600	600	100	50	600	1000	200
K8R601D474KSDD#***	0.47	57.5	30.0	45.0	D	D	50~100	600	30	40	600	300	70
K8R601D105KSDD#***	1.0	57.5	30.0	45.0	D	D	100~200	600	50	45	600	500	100
K8R601D155KSDD#***	1.5	57.5	35.0	50.0	D	D	200~300	600	50	45	600	500	100
K8R601D205KSDD#***	2.0	57.5	35.0	50.0	D	D	400~600	600	100	50	600	1000	200
U _{NDc} 1200Vdc													
K8R122D474KSSN#***	0.47	42.5	28.0	37.0	N	S	200~300		30	65	120	300	60
K8R122D474KSSP#***	0.47	42.5	28.0	37.0	P	S	200~300		30	65	120	300	60
K8R122D105KSDN#***	1.0	42.5	33.0	45.0	N	D	100~200		50	85	120	500	100
K8R122D105KSDP#***	1.0	42.5	33.0	45.0	P	D	100~200		50	85	120	500	100
K8R122D105KSSN#***	1.0	42.5	33.0	45.0	N	S	300~400		50	85	120	500	100
K8R122D105KSSP#***	1.0	42.5	33.0	45.0	P	S	300~400		50	85	120	500	100
K8R122D155KSDN#***	1.5	57.5	30.0	45.0	N	D	200~300		50	85	120	500	100
K8R122D155KSDP#***	1.5	57.5	30.0	45.0	P	D	200~300		50	85	120	500	100
K8R122D205KSSN#***	2.0	57.5	35.0	50.0	N	S	400~600		100	90	120	1000	200
K8R122D205KSSP#***	2.0	57.5	35.0	50.0	P	S	400~600		100	90	120	1000	200
K8R122D205KSDN#***	2.0	57.5	35.0	50.0	N	D	300~400		100	90	120	1000	200
K8R122D205KSDP#***	2.0	57.5	35.0	50.0	P	D	300~400		100	90	120	1000	200
K8R122D355KSDN#***	3.5	57.5	42.5	56.0	N	D	400~600		100	90	120	1000	200
K8R122D355KSDP#***	3.5	57.5	42.5	56.0	P	D	400~600		100	90	120	1000	200
K8R122D473KSDD#***	0.04	57.5	30.0	45.0	D	D	50~200		30	65	120	300	60
K8R122D224KSDD#***	0.22	57.5	30.0	45.0	D	D	50~150		30	65	120	300	60
K8R122D474KSDD#***	0.47	57.5	30.0	45.0	D	D	100		30	65	120	300	60
K8R122D105KSDD#***	1.0	57.5	35.0	50.0	D	D	150		50	85	120	500	100
K8R122D155KSDD#***	1.5	57.5	42.5	56.0	D	D	200		100	90	120	1000	200
K8R122D205KSDD#***	2.0	57.5	42.5	56.0	D	D	300		100	90	120	1000	200

Remark: 1. # P2; *** internal code.

2. Customization for special specification and requirement is available.