

HS 系列 HS series

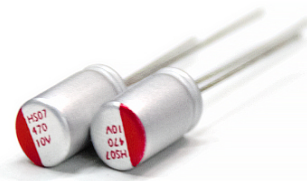
•105℃、2000 小时寿命保证 105℃, 2000 hours life guarantee

•极低等效串联电阻(ESR)并可承受大纹波电流

Very low equivalent series resistance (ESR) and can withstand large ripple currents

•符合 ROHS 和 REACH 指令 Comply with the ROHS and REACH directives

◆标准品一览表 List of standards



WV	Cap (μF)	尺寸 ΦDxL (mm)	损失角正切值 (tanδ) (20℃, 120Hz)	漏电流 (μA) (max)	等效串联电阻 (ESR) (mΩ max./20℃, 100kHz)	额定纹波电流 (mA rms/105℃, 100kHz)	产品代码
2.5V	330	6.3X7	0.08	500	18	2490	RYHS2.5V330UF6*7
	390	5X9	0.08	500	18	2490	RYHS2.5V390UF6*9
	470	6.3X7	0.08	500	18	2690	RYHS2.5V470UF6*7
	560	5X9	0.08	500	18	2690	RYHS2.5V560UF5*9
		6.3X7			18	2690	RYHS2.5V560UF6*7
		6.3X8			16	4100	RYHS2.5V560UF6*8
	680	6.3X8	0.08	500	16	4100	RYHS2.5V680UF6*8
		6.3X9			14	4500	RYHS2.5V680UF6*9
	820	6.3X8	0.08	500	16	4100	RYHS2.5V820UF6*8
		6.3X9			14	4500	RYHS2.5V820UF6*9
	1000	6.3X9	0.08	500	14	4500	RYHS2.5V1000UF6*9
		8X8			14	4500	RYHS2.5V1000UF8*8
	1200	6.3X11.5	0.08	600	14	4500	RYHS2.5V1200UF6*11
		8X8			14	4500	RYHS2.5V1200UF8*8
	1500	8X8	0.08	750	14	4500	RYHS2.5V1500UF8*8
		8X11.5			14	4750	RYHS2.5V1500UF8*11
	2200	8X11.5	0.08	1100	14	4900	RYHS2.5V2200UF8*11
		10X12			14	4900	RYHS2.5V2200UF10*12
6.3V	100	5X5.5	0.08	500	28	1350	RYHS6.3V100UF5*5
		5X7			25	1650	RYHS6.3V100UF5*7
		5X8			25	1750	RYHS6.3V100UF5*8
	180	5X7	0.08	500	21	2350	RYHS6.3V180UF5*7
		5X8			21	2400	RYHS6.3V180UF5*8
	220	5X7	0.08	500	18	2690	RYHS6.3V220UF5*7
		5X8			18	2690	RYHS6.3V220UF5*8
		6.3X5.5			25	2690	RYHS6.3V220UF6*5
		6.3X7			16	2750	RYHS6.3V220UF6*7
		6.3X8			16	2690	RYHS6.3V220UF6*8
		5X7			21	2690	RYHS6.3V270UF5*7
	270	5X8	0.08	500	21	2790	RYHS6.3V270UF5*8
		6.3X5.5			22	2690	RYHS6.3V270UF6*5
		6.3X7			16	2690	RYHS6.3V270UF6*7
		5X7			16	2690	RYHS6.3V330UF5*7
	330	5X8	0.08	500	16	2690	RYHS6.3V330UF5*8
		6.3X5.5			16	2700	RYHS6.3V330UF6*5
		6.3X7			22	2690	RYHS6.3V330UF6*7
		6.3X8			16	2700	RYHS6.3V330UF6*8
		5X7			16	2700	RYHS6.3V330UF6*8

WV	Cap (μF)	尺寸 $\Phi D \times L$ (mm)	损失角正切值 ($\tan \delta$) (20℃, 120Hz)	漏电流 (μA) (max)	等效串联电阻 (ESR) ($m\Omega$ max./20℃, 100kHz)	额定纹波电流 (mA _{RMS} /125℃, 100kHz)	产品代码
6.3V	370	6.3X8	0.08	500	16	2750	RYHS6.3V370UF6*8
	390	5X9	0.08	500	16	2690	RYHS6.3V390UF5*9
	470	5X8	0.08	592	16	2600	RYHS6.3V470UF5*8
		5X9			16	2690	RYHS6.3V470UF5*9
		5.5X9			16	2800	RYHS6.3V470UF5.5*9
		6.3X7		500	16	4100	RYHS6.3V470UF6*7
		6.3X8		592	16	4150	RYHS6.3V470UF6*8
		8X8			16	4300	RYHS6.3V470UF8*8
	500	5.5X7	0.08	630	16	3650	RYHS6.3V500UF5.5*7
	560	5X9	0.08	706	16	3950	RYHS6.3V560UF5*9
		5X11.5			16	3500	RYHS6.3V560UF5*11
		5.5X9			16	4100	RYHS6.3V560UF5.5*9
		6.3X7			16	3950	RYHS6.3V560UF6*7
		6.3X8			16	4100	RYHS6.3V560UF6*8
		6.3X10			16	4350	RYHS6.3V560UF6*10
		8X8			16	4350	RYHS6.3V560UF8*8
	680	5X11.5	0.08	857	16	4150	RYHS6.3V680UF5*11
		5.5X9			14	4150	RYHS6.3V680UF5.5*9
		5.5X11.5			14	4200	RYHS6.3V680UF5.5*11
		6.3X8			16	4500	RYHS6.3V680UF6*8
		6.3X9			16	4350	RYHS6.3V680UF6*9
		6.3X10.5			14	4400	RYHS6.3V680UF6*10
		8X8			14	4500	RYHS6.3V680UF8*8
		8X11.5			14	4500	RYHS6.3V680UF8*11
	820	5.5X11.5	0.10	1033	16	4250	RYHS6.3V820UF5*11
		6.3X8			16	4300	RYHS6.3V820UF6*8
		6.3X9			16	4500	RYHS6.3V820UF6*9
		6.3X10.5			14	4500	RYHS6.3V820UF6*10
		6.3X11.5			14	4500	RYHS6.3V820UF6*11
		8X8			14	4500	RYHS6.3V820UF8*8
		8X11.5			14	4600	RYHS6.3V820UF8*11
	1000	6.3X10.5	0.10	1260	14	4500	RYHS6.3V1000UF6*10
		6.3X11.5		752	14	4350	RYHS6.3V1000UF6*11
		8X8		1260	14	4500	RYHS6.3V1000UF8*8
		8X11.5		1600	14	4700	RYHS6.3V1000UF8*11
	1200	6.3X11.5	0.10	1512	14	4600	RYHS6.3V1200UF6*11
		8X11.5			14	4750	RYHS6.3V1200UF8*11
		10X12			14	4800	RYHS6.3V1200UF10*12
	1500	6.3X11.5	0.10	1890	14	4650	RYHS6.3V1500UF6*11
		6.3X15	0.12	500	14	4600	RYHS6.3V1500UF6*15
		8X11.5			14	4800	RYHS6.3V1500UF8*11
		10X12			14	4900	RYHS6.3V1500UF10*12
	1800	8X16	0.10	2268	14	4900	RYHS6.3V1800UF8*16
	2200	8X16	0.10	772	14	4900	RYHS6.3V2200UF8*16
		10X10			14	4800	RYHS6.3V2200UF10*10
		10X12			14	4900	RYHS6.3V2200UF10*12
	3300	8X16	0.10	4158	14	5100	RYHS6.3V3300UF8*16
		10X12	0.12	2000	14	5100	RYHS6.3V3300UF10*12
	4700	10X16	0.10	3760	14	5350	RYHS6.3V4700UF10*16
	5600	10X16	0.10	4480	14	5500	RYHS6.3V5600UF10*16
6.8V	390	5X9	0.10	500	16	2690	RYHS6.8V390UF5*9

WV	Cap (μF)	尺寸 $\Phi D \times L$ (mm)	损失角正切值 ($\tan \delta$) (20°C, 120Hz)	漏电流 (μA) (max)	等效串联电阻 (ESR) ($m\Omega$ max. /20°C, 100kHz)	额定纹波电流 (mA _{rms} /105°C, 100kHz)	产品代码
7.5V	220	6.3X5.5	0.08	500	28	2690	RYHS7.5V220UF6*5
	330	5X8	0.08	500	18	2950	RYHS7.5V330UF5*8
		5X9			18	3100	RYHS7.5V330UF5*9
		5X11.5			18	3100	RYHS7.5V330UF5*11
	390	5X9	0.08	585	18	3250	RYHS7.5V390UF5*9
	470	6.3X7	0.08	705	16	3350	RYHS7.5V470UF6*7
		6.3X8			16	3400	RYHS7.5V470UF6*8
	500	5X9	0.08	750	14	3450	RYHS7.5V500UF5*9
		5X11.5			14	3500	RYHS7.5V500UF5*11
		5.5X9			14	3500	RYHS7.5V500UF5.5*9
	560	6.3X8	0.08	840	14	3800	RYHS7.5V560UF6*8
		8X8			14	4100	RYHS7.5V560UF8*8
	680	6.3X9	0.10	1020	14	4350	RYHS7.5V680UF6*9
		8X8			14	4350	RYHS7.5V680UF8*8
	820	6.3X10.5	0.10	1230	14	4350	RYHS7.5V820UF6*10
		6.3X11.5			14	4500	RYHS7.5V820UF6*11
		8X8			14	4500	RYHS7.5V820UF8*8
	1000	6.3X11.5	0.10	1500	14	4500	RYHS7.5V1000UF6*11
		8X11.5			14	4650	RYHS7.5V1000UF8*11
	1500	6.3X15	0.10	2250	14	4750	RYHS7.5V1500UF6*15
		8X11.5			14	4900	RYHS7.5V1500UF8*11
	2200	8X16	0.10	3300	14	5100	RYHS7.5V2200UF8*16
		10X12			14	5100	RYHS7.5V2200UF10*12
10V	100	5X7	0.08	500	28	2350	RYHS10V100UF5*7
		6.3X5.5			38	2250	RYHS10V100UF6*5
	220	5X7	0.08	500	16	2600	RYHS10V220UF5*7
		5X8			16	2690	RYHS10V220UF5*8
		5X9			16	2750	RYHS10V220UF5*9
		6.3X7			16	2950	RYHS10V220UF6*7
		6.3X8			16	3100	RYHS10V220UF6*8
	270	5X9	0.08	540	16	3100	RYHS10V270UF5*9
		6.3X7			16	2850	RYHS10V270UF6*7
	330	5X9	0.08	660	16	3300	RYHS10V330UF5*9
		6.3X8			16	3300	RYHS10V330UF6*8
		6.3X10.5			14	3500	RYHS10V330UF6*10
		8X8			14	3500	RYHS10V330UF8*8
	390	8X8	0.08	780	14	3500	RYHS10V390UF8*8
	470	5X11.5	0.08	940	16	3400	RYHS10V470UF5*11
		5.5X9			16	3400	RYHS10V470UF5.5*9
		6.3X8			14	3500	RYHS10V470UF6*8
		6.3X9			14	3600	RYHS10V470UF6*9
		6.3X11.5			14	3650	RYHS10V470UF6*11
		8X8			14	3650	RYHS10V470UF8*8
		8X11.5			14	3800	RYHS10V470UF8*11
	560	5.5X11.5	0.08	1120	16	3400	RYHS10V560UF5.5*11
		6.3X9			14	3700	RYHS10V560UF6*9
		6.3X10.5			14	4100	RYHS10V560UF6*10
		8X8			14	4100	RYHS10V560UF8*8
	680	6.3X11.5	0.10	1360	14	4200	RYHS10V680UF6*11
		8X8			14	4200	RYHS10V680UF8*8
		8X11.5			14	4500	RYHS10V680UF8*11

WV	Cap (μ F)	尺寸 Φ D $\times$ L (mm)	损失角正切值(tan δ) (20℃, 120Hz)	漏电流 (μ A) (max)	等效串联电阻 (ESR) (m Ω max./20℃, 100kHz)	额定纹波电流 (mA _{rms} /105℃ 100kHz)	产品代码
10V	820	6.3X11.5	0.10	1640	14	4650	RYHS10V820UF6*11
		8X8			14	4650	RYHS10V820UF8*8
		8X11.5			14	4700	RYHS10V820UF8*15
	1000	8X11.5	0.10	2000	14	4500	RYHS10V1000UF8*11
		8X16			14	4850	RYHS10V1000UF8*16
		10X12			14	4850	RYHS10V1000UF10*12
	1200	10X12	0.10	2000	14	4900	RYHS10V1200UF10*12
	1500	8X13.5	0.10	3000	14	4850	RYHS10V1500UF8*13
		8X16			14	4900	RYHS10V1500UF8*16
		10X12			14	4900	RYHS10V1500UF10*12
	2200	8X16	0.10	4400	10	5300	RYHS10V2200UF8*16
		10X12			10	5300	RYHS10V2200UF10*12
12V	330	5X9	0.10	792	18	2900	RYHS12V330UF5*9
		5.5X9			16	3500	RYHS12V330UF5.5*9
	470	6.3X8	0.10	1128	16	3650	RYHS12V470UF6*8
	560	6.3X11.5	0.10	1344	14	3800	RYHS12V560UF6*11
	680	6.3X11.5	0.10	1632	14	3900	RYHS12V680UF6*11
	820	8X11.5	0.10	1968	14	4000	RYHS12V820UF8*11
	1000	8X11.5	0.10	2400	14	4200	RYHS12V1000UF8*11
	1500	8X16	0.10	3600	12	4500	RYHS12V1500UF8*16
	2200	10X13.5	0.10	5280	12	4900	RYHS12V2200UF10*13
	3300	10X16	0.10	7920	12	5400	RYHS12V3300UF10*16
16V	22	5X7	0.12	500	45	650	RYHS16V22UF5*7
		6.3X5.5			48	650	RYHS16V22UF6*5
	47	5X7	0.12	500	48	950	RYHS16V47UF5*7
		5X8			48	1150	RYHS16V47UF5*8
		6.3X5.5			38	980	RYHS16V47UF6*5
		6.3X7			32	1250	RYHS16V47UF6*7
		6.3X8			32	1350	RYHS16V47UF6*8
		6.3X11.5			14	3800	RYHS16V47UF6*11
	63	5X8	0.12	500	48	1250	RYHS16V63UF5*8
		6.3X5.5			38	1250	RYHS16V63UF6*5
	82	5X8	0.12	500	48	1500	RYHS16V82UF5*8
	100	5X7	0.12	500	25	2250	RYHS16V100UF5*7
		5X8			25	2300	RYHS16V100UF5*8
		6.3X5.5			38	1950	RYHS16V100UF6*5
		6.3X7			22	2350	RYHS16V100UF6*7
		6.3X8			22	2600	RYHS16V100UF6*8
		6.3X11.5			14	4000	RYHS16V100UF8*11
	150	5X7	0.12	576	25	2500	RYHS16V150UF5*7
		6.3X7			20	2690	RYHS16V150UF6*7
	180	5X8	0.12	576	20	2690	RYHS16V180UF5*8
		5.5X7			20	2690	RYHS16V180UF5.5*7
		6.3X7			20	2800	RYHS16V180UF6*7
	220	5X9	0.12	704	20	2850	RYHS16V220UF5*9
		5.5X7			20	2300	RYHS16V220UF5.5*7
		5.5X9			25	2900	RYHS16V220UF5.5*9
		6.3X7			18	2900	RYHS16V220UF6*7
		6.3X8			16	3000	RYHS16V220UF6*8
		6.3X11.5			14	4850	RYHS16V220UF8*15

WV	Cap (μ F)	尺寸 Φ DxL (mm)	损失角正切值(tan δ) (20℃, 120Hz)	漏电流 (μ A) (max)	等效串联电阻 (ESR) (m Ω max./20℃, 100kHz)	额定纹波电流 (mA _{rms} /105℃, 100kHz)	产品代码
16V	270	5X11.5	0.12	864	16	3100	RYHS16V270UF5*11
		5.5X9			16	3100	RYHS16V270UF5.5*9
		6.3X7			18	2950	RYHS16V270UF6*7
		6.3X8			16	3200	RYHS16V270UF6*8
		6.3X10.5			16	3300	RYHS16V270UF6*10
		8X8			16	3550	RYHS16V270UF8*8
	330	5X11.5	0.12	1056	18	3200	RYHS16V330UF5*11
		5.5X9			18	2950	RYHS16V330UF5.5*9
		5.5X11.5			16	3100	RYHS16V330UF5.5*11
		6.3X7			18	3100	RYHS16V330UF6*7
		6.3X9			16	3300	RYHS16V330UF6*9
		6.3X10.5			16	3600	RYHS16V330UF6*10
		8X8			14	3700	RYHS16V330UF8*8
		8X11.5			14	3950	RYHS16V330UF8*11
	390	8X8	0.12	1248	14	3600	RYHS16V390UF8*8
		8X11.5			14	3800	RYHS16V390UF8*11
	470	5.5X11.5	0.12	1504	16	3500	RYHS16V470UF5.5*11
		6.3X9			16	3500	RYHS16V470UF6*9
		6.3X10.5			16	3500	RYHS16V470UF6*10
		6.3X11.5			16	3750	RYHS16V470UF6*11
		8X8			14	3800	RYHS16V470UF8*8
		8X11.5			14	4100	RYHS16V470UF8*11
		10X12			14	4500	RYHS16V470UF10*12
	560	5.5X11.5	0.12	1792	16	3600	RYHS16V560UF5.5*11
		6.3X11.5			14	3800	RYHS16V560UF6*11
		8X8			14	3950	RYHS16V560UF8*8
		8X11.5			14	4200	RYHS16V560UF8*11
		10X12			12	4600	RYHS16V560UF10*12
	680	6.3X11.5	0.12	2176	16	4150	RYHS16V680UF6*11
		6.3X15			14	4500	RYHS16V680UF6*15
		8X10.5			12	4350	RYHS16V680UF8*10
		8X11.5			12	4500	RYHS16V680UF8*11
		10X12			12	4900	RYHS16V680UF10*12
	720	8X11.5	0.12	2304	12	4550	RYHS16V720UF8*11
	820	6.3X11.5	0.12	2624	14	4500	RYHS16V820UF6*11
		6.3X15			14	4700	RYHS16V820UF6*15
		8X11.5			12	4750	RYHS16V820UF8*11
		8X16			12	4900	RYHS16V820UF8*16
		10X12			12	4900	RYHS16V820UF10*12
	1000	6.3X15	0.12	3200	14	4800	RYHS16V1000UF6*15
		8X11.5			14	4800	RYHS16V1000UF8*11
		8X13.5			14	4900	RYHS16V1000UF8*13
		8X16			12	5100	RYHS16V1000UF8*16
		10X12			12	5100	RYHS16V1000UF10*12

WV	Cap (μF)	尺寸 $\Phi D \times L$ (mm)	损失角正切值 ($\tan \delta$) (20°C, 120Hz)	漏电流 (μA) (max)	等效串联电阻 (ESR) (m Ω max./20°C, 100kHz)	额定纹波电流 (mA _{rms} /105°C, 100kHz)	产品代码
16V	1200	8X16	0.12	3840	12	5250	RYHS16V1200UF8*16
		10X12			12	5250	RYHS16V1200UF10*12
	1500	8X16	0.12	4800	12	5300	RYHS16V1500UF8*16
		10X12			12	5300	RYHS16V1500UF10*12
		10X16			12	5500	RYHS16V1500UF10*16
	2200	10X16	0.12	7040	12	5800	RYHS16V2200UF10*16
	3300	10X16	0.12	10560	18	6100	RYHS16V3300UF10*16
20V	100	5X7	0.12	500	38	2450	RYHS20V100UF5*7
	220	6.3X8	0.12	880	25	2800	RYHS20V220UF6*8
	330	6.3X9	0.12	1320	25	3100	RYHS20V330UF-6*9
	470	6.3X11.5	0.12	1880	25	3250	RYHS20V470UF6*11
	560	6.3X15	0.12	2240	22	3500	RYHS20V560UF6*11
		8X11.5			20	3500	RYHS20V560UF8*11
	680	6.3X15	0.12	2720	22	3650	RYHS20V680UF6*15
		8X11.5			20	3650	RYHS20V680UF8*11
	820	8X13.5	0.12	3280	20	3900	RYHS20V820UF8*13
		10X12			20	3900	RYHS20V820UF10*12
	1000	8X16	0.12	4000	20	4200	RYHS20V1000UF8*16
		10X12			20	4200	RYHS20V1000UF10*12
	1500	10X13.5	0.12	6000	20	4500	RYHS20V1500UF10*13
		10X16			20	4700	RYHS20V1500UF10*16
	2200	10X16	0.12	8800	20	4900	RYHS20V2200UF10*16
25V	10	5X8	0.12	500	85	1950	RYHS25V10UF5*8
	22	5X7	0.12	500	68	2000	RYHS25V22UF5*7
	33	6.3X5.5	0.12	500	58	2100	RYHS25V33UF6*5
	47	5X8	0.12	500	45	2250	RYHS25V47UF5*8
		6.3X5.5			48	2200	RYHS25V47UF6*5
		6.3X7			45	2350	RYHS25V47UF6*7
		6.3X8			38	2300	RYHS25V47UF6*8
	56	5X8	0.12	500	45	2350	RYHS25V56UF5*8
	82	6.3X7	0.12	500	45	2550	RYHS25V82UF6*7
	100	5X7	0.12	500	48	2150	RYHS25V100UF5*7
		5X8			38	2450	RYHS25V100UF5*8
		5X11.5			38	2900	RYHS25V100UF5*11
		6.3X5.5			48	2450	RYHS25V100UF6*5
		6.3X7			45	2750	RYHS25V100UF6*7
		6.3X8			32	2900	RYHS25V100UF6*8
		8X8			20	3500	RYHS25V100UF8*8
		8X11.5			20	3750	RYHS25V100UF8*11

WV	Cap (μ F)	尺寸 Φ DxL (mm)	损失角正切值($\tan\delta$) (20℃, 120Hz)	漏电流 (μ A) (max)	等效串联电阻 (ESR) (m Ω max./20℃, 100kHz)	额定纹波电流 (mA _{rms} /105℃, 100kHz)	产品代码
25V	120	5X9	0.12	600	38	2850	RYHS25V120UF5*9
		6.3X8			32	3050	RYHS25V120UF6*8
	150	5X9	0.12	780	35	2950	RYHS25V150UF5*9
		5.5X9			35	3250	RYHS25V150UF5.5*9
		6.3X7			32	3200	RYHS25V150UF6*7
		8X11.5			20	3900	RYHS25V150UF8*11
	180	5X9	0.12	900	35	3100	RYHS25V180UF5*9
		6.3X7			32	3300	RYHS25V180UF6*7
		8X8			20	3900	RYHS25V180UF8*8
	220	5X11.5	0.12	1100	35	3100	RYHS25V220UF5*11
		5.5X9			35	3200	RYHS25V220UF5*9
		5.5X11.5			35	3550	RYHS25V220UF5.5*11
		6.3X7			35	3350	RYHS25V220UF6*7
		6.3X8			35	3500	RYHS25V220UF6*8
		6.3X9			32	3700	RYHS25V220UF6*9
		8X10.5			20	4100	RYHS25V220UF8*10.5
		8X11.5			20	4300	RYHS25V220UF8*11
	270	5X11.5	0.12	1350	35	3250	RYHS25V270UF5*11
		5.5X9			35	3250	RYHS25V270UF5*9
		6.3X9			32	3800	RYHS25V270UF6*9
		10X12			20	4800	RYHS25V270UF10*12
	330	5X15	0.12	1650	35	3350	RYHS25V330UF5*15
		5.5X11.5			35	3650	RYHS25V330UF5.5*11
		6.3X9			35	3750	RYHS25V330UF6*9
		6.3X11.5			35	3800	RYHS25V330UF6*11
		8X8			28	4250	RYHS25V330UF8*8
		8X11.5			28	4250	RYHS25V330UF8*11
		10X12			20	4900	RYHS25V330UF8*10.5
		10X12			20	4900	RYHS25V330UF10*12
	470	5.5X15	0.12	2350	35	3750	RYHS25V470UF5.5*15
		6.3X11.5			35	3900	RYHS25V470UF6*11
		6.3X15			35	4100	RYHS25V470UF6*15
		8X8			28	4250	RYHS25V470UF8*8
		8X11.5			28	4750	RYHS25V470UF8*11
		8X16			20	4900	RYHS25V470UF8*16
		10X12			20	4900	RYHS25V470UF10*12

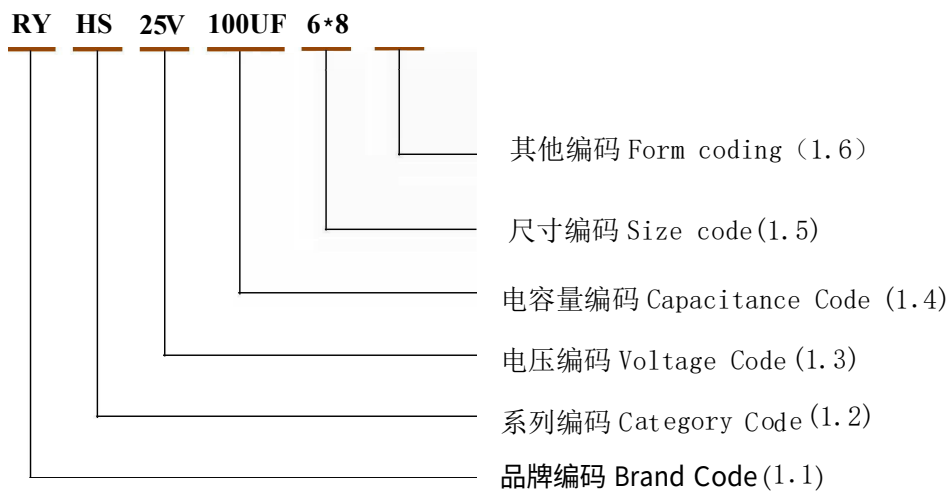
WV	Cap (μ F)	尺寸 Φ DxL (mm)	损失角正切值($\tan\delta$) (20℃, 120Hz)	漏电流 (μ A) (max)	等效串联电阻 (ESR) (m Ω max./20℃, 100kHz)	额定纹波电流 (mA _{rms} /105℃, 100kHz)	产品代码
25V	560	5.5X15	0.12	2800	35	3850	RYHS25V560UF5.5*15
		6.3X15			35	4300	RYHS25V560UF6*15
		8X11.5			28	5100	RYHS25V560UF8*11
		10X12			20	5000	RYHS25V560UF10*12
	680	6.3X15	0.12	3400	35	4500	RYHS25V680UF6*15
		8X11.5			28	5100	RYHS25V680UF8*11
		8X16			20	5250	RYHS25V680UF8*16
		10X12			20	5250	RYHS25V680UF10*12
	820	6.3X15	0.12	4100	35	4700	RYHS25V820UF6*15
		8X13.5			28	5400	RYHS25V820UF8*13
		8X16			20	5500	RYHS25V820UF8*16
		10X12			20	5500	RYHS25V820UF10*12
	1000	8X16	0.12	5000	20	5650	RYHS25V1000UF8*16
		10X12			20	5650	RYHS25V1000UF10*12
		10X16			20	5700	RYHS25V1000UF10*16
	1200	10X16	0.12	6000	20	5800	RYHS25V1200UF10*16
	1500	10X16	0.12	7500	20	5900	RYHS25V1500UF10*16
	2200	10X16	0.12	11000	20	6100	RYHS25V2200UF10*16

◆纹波电流频率系数 Ripple current frequency coefficient

频率 Frequency	120Hz $\cong$ f < 1 kHz	1 KHz $\cong$ f < 10 kHz	10 KHz $\cong$ f < 100 kHz	100 KHz $\cong$ f < 500 kHz
系数 Coefficient	0.05	0.3	0.7	1.00

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5>	产品尺寸 Product Size
6>	产品特性 Characteristics
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14>	可焊性试验 Weldability test
15>	焊锡耐热试验 Solder Heat Resistance Test
16>	包装数量 Packing quantity
17>	使用安装注意事项 Precautions for use and installation
18>	环保 Environmental protection

1> 物料编码 material code



1.1 品牌编码 Brand Code

编码 Code	RY
品牌编码 Brand Code	RY

1.2 系列编码 Series Code

编码 Code	HS
系列编码 Series Code	HS

1.3 电压编码 Voltage Code

编码 Code	2.5V	6.3V	7.5V	10V	12V	16V	20V	25V
电压编码 VoltageCode(W.V)	2.5	6.3	7.5	10	12	16	20	25

1.4 电容量编码 Capacitance Code

编码 Code	47UF	100UF	220UF	330UF	470UF	560UF	680UF	820UF	1000UF
电容量 Capacitance (uF)	47	100	220	330	470	560	680	820	1000

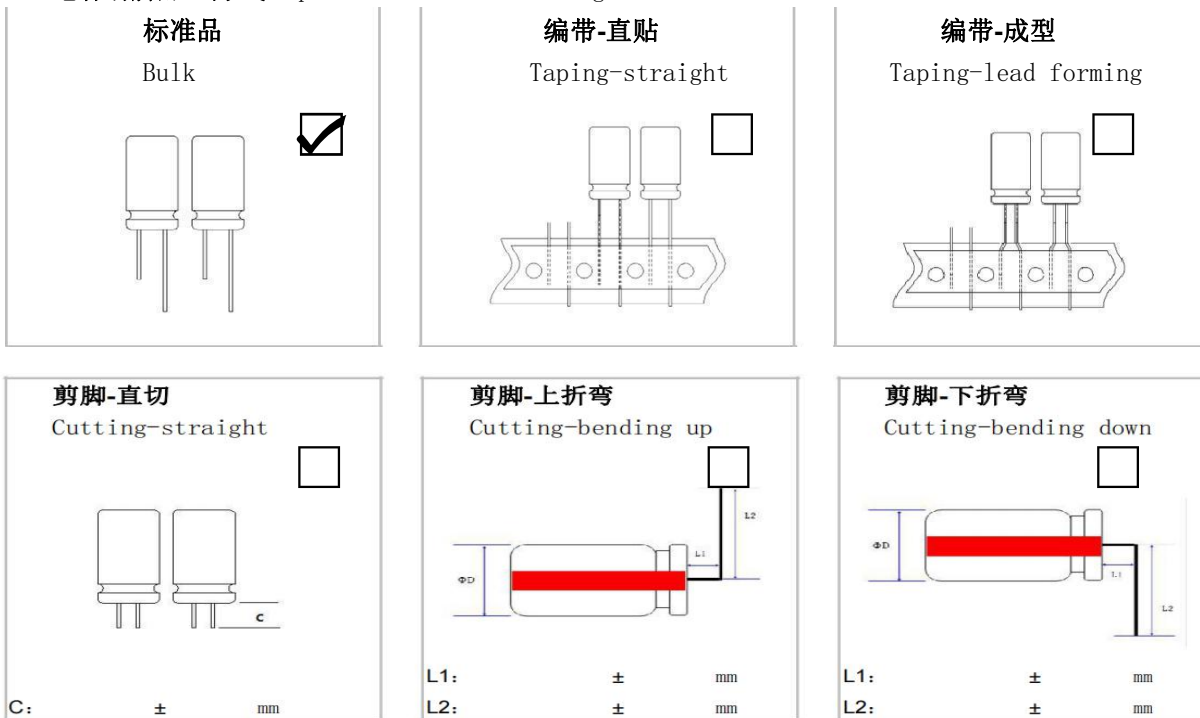
1.5 尺寸编码 Size code

编码 Code	5*7	5*8	5*9	5*11	5*15	5.5*7	5.5*9	5.5*11	5.5*15	6*5	6*7
直径 D (Φ)	5	5	5	5	5	5.5	5.5	5.5	5.5	6.3	6.3
高度 H (mm)	7	8	9	11.5	15	7	9	11.5	15	5.5	7

编码 Code	6*8	6*9	6*10	6*11	6*15	8*7	8*8	8*11	8*16	10*10	10*12
直径 D (Φ)	6.3	6.3	6.3	6.3	6.3	8	8	8	8	10	10
高度 H (mm)	8	9	10.5	11.5	15	7	8	11.5	16	10	12

1.6 其他编码 Form coding

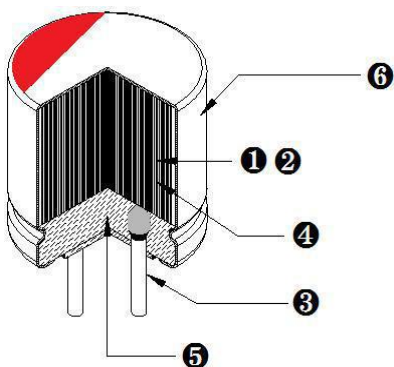
2> 电容引脚加工方式 Capacitor Lead Processing



3> 印字 Markin



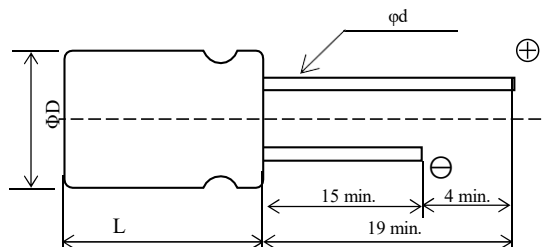
4> 产品结构图 Product Structure Diagram



- ① 阳极箔: 高纯铝化成箔
Anode foil: high pure aluminum formation foil
- ② 阴极箔: 高纯铝碳箔
Cathode foil: high pure aluminum carbon foil
- ③ 导针: 高纯铝, 引线为镀锡铜包钢线
leader pin: high pure aluminum, lead is tin copper clad steel wire
- ④ 电解纸: 马尼拉麻
Electrolytic paper: Manila hemp
- ⑤ 胶盖: 橡胶
Sealing: rubber
- ⑥ 铝壳: 高纯铝, 涂层铝壳
Aluminum can: high purity aluminum, coated aluminum can

5> 产品尺寸 Product Size

◆尺寸图 [mm]



Π	5.0	5.5	6.3	8.0	10.0
P	2.0	2.5	2.5	3.5	5.0
Φd	0.5	0.5	0.5/0.6	0.6	0.6
ΦD	ΦD±0.5				
L	L±1.0				

单位: mm

6> 产品特性 Characteristics

1.标准测试条件

Standard test conditions

除非另有规定，所有测试环境应当在以下条件下进行：

Unless otherwise specified, all tests shall be performed at following conditions:

环境温度： 15-35 ℃

Ambient temperature: 15-35 ℃

相对湿度： 45-75% RH

Relative humidity: 45-75% RH

气压： 86-106 Kpa

Air pressure 86-106 Kpa

测试疑虑时，在以下条件下确认测量结果：

Any testing doubt, confirm the measurement results under the following conditions:

环境温度： 20±2 ℃

Ambient temperature: 20±2 ℃

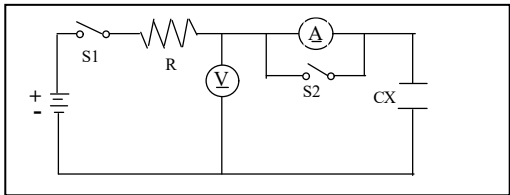
相对湿度： 60-70% RH

Relative humidity: 60-70% RH

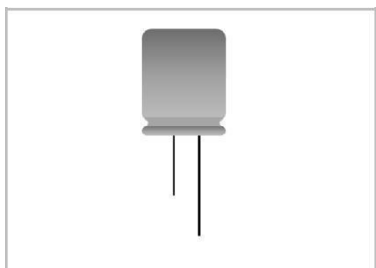
气压： 86-106 Kpa

Air pressure 86-106 Kpa

3.特性参数说明 Description

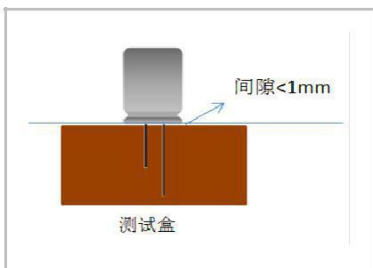
NO.	特性 Characteristics	单位 unit	说明 Description				
1	容量 capacitance	uF	产品标称容量，测试频率：120HZ，在规定容量公差内 Product nominal capacity, test frequency: 120HZ, within the specified capacity tolerance				
2	电压 working voltage	V	产品额定电压 Rated working voltage				
3	损失角 Dissipation Factor	%	也称损耗，测试频率：120HZ Also calls dissipation, test frequency: 120HZ				
4	阻抗 ESR Impedance	mΩ	等效串联电阻，测试频率 100KHZ Equivalent series resistance, test frequency 100KHZ				
5	纹波电流 RC Ripple Current	mA rms	最大许可纹波电流为 100KHZ 下最大 A.C 电流 The maximum allowable ripple current is 100KHZ, the largest A.C current				
			DC 电压和峰值 AC 电压总和不可超出额定电压，不可反向充电 The DC voltage plus the peak AC voltage must not exceed the rated voltage, and non-reverse charging				
			频率 HZ Frequency	120≤f<1k	1K≤f<10K	10K≤f<100K	100K≤f<500K
			系数 coefficient	0.05	0.3	0.7	1
6	漏电流 LC Leak Current	uA	泄漏电流，产品施加额定电压，充电 2 分钟后测试漏电流值 Leakage current, after charging for 2 minutes, test the leakage current value of product				
							
7	外形尺寸 Φ DXL Dimensions	mm	产品外径、高度 Diameter、Height				

4.特性测试注意事项 Precautions before testing characteristics



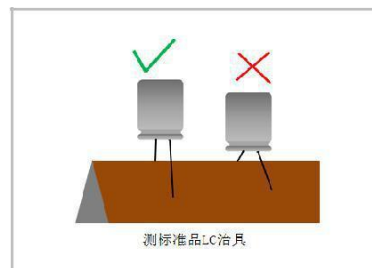
测试前保持引脚垂直平行不能扭动、拉扯电容引脚

Keep the pin perpendicular and parallel before testing. Do not twist or pull the capacitor pin



测试容量/损失角/ESR 值时, 测试点需在引线根部

When testing the capacity/loss Angle /ESR value, the test point must be at the root of the lead



测试 LC 时, 需保持引脚平行不能让电容引脚呈八字形分开

When testing LC, keep pins parallel, and can not separate two pins as “八”shape

7> 高温负荷寿命试验 High temperature load life test

电容器在额定最高温度下施加额定电压, 持续储存至规定寿命时间后, 符合以下要求:

The capacitor applies the rated voltage at the rated maximum temperature and is continuously stored to the specified life time, meeting the following requirements:

项目 item	要求 requirements
寿命时间 life time	2000 ±48 小时 hours
容量变化 change of capacitance	在容量初始值±20%内 Within ±20% of the initial value
损失角 dissipation factor	不超过规定值的 1.5 倍 Not to exceed 150% of the value specified
ESR	不超过规定值的 1.5 倍 Not to exceed 150% of the value specified
LC	不超过规定值 Not to exceed the value specified

8> 浪涌电压试验 Surge voltage test

在任何情况下, 浪涌直流电压是电容器所应承受的最大电压, 这包括瞬变和峰值纹波最高的线路电压。

The surge DC rating is the maximum voltage to which the capacitor should be subjected under any conditions. This includes transients and peak ripple at the highest line voltage.

额定电压 (V) rated working voltage	额定温度 (℃) upper temperature	浪涌电压 (V) surge voltage
2.5	105	2.9
6.3	105	7.2
10	105	11.5
16	105	18.4
25	105	28.8
35	105	40.3
50	105	57.5
63	105	72.5
100	105	115.0

浪涌电压=1.15*额定电压

在常温条件下, 电容串联 **1000Ω**电阻后, 应用浪涌直流电压进行测试。

充电 **30±5** 秒, 放电 **5±0.5** 分钟, 充电放电过程重复 **1000** 次, 符合以下要求:

At room temperature, after the capacitor is connected to 1000Ω resistor, the surge DC voltage is used for testing. Charge 30±5 seconds, discharge 5±0.5 minutes, the charging and discharge process is repeated 1000 times, meeting the following requirements:

项目 item	要求 requirements
容量变化 change of capacitance	在容量初始值±20%内 Within ±20% of the initial value
损失角 dissipation factor	不超过规定值的 1.5 倍 Not to exceed 150% of the value specified
ESR	不超过规定值的 1.5 倍 Not to exceed 150% of the value specified
LC	不超过规定值 Not to exceed the value specified

9> 稳态湿热试验 Damp heat(steady state) test

于环境温度 **60±2℃**, 湿度 **90-95% RH** 条件下, 储存 **1000±48** 小时, 符合以下要求:

The following requirements shall be satisfied after the capacitors are stored at 60±2℃, 90 to 95%RH for 1000±48 hours

项目 item	要求 requirements
容量变化 change of capacitance	在容量初始值±20%内 Within ±20% of the initial value
损失角 dissipation factor	不超过规定值的 1.5 倍 Not to exceed 150% of the value specified
ESR	不超过规定值的 1.5 倍 Not to exceed 150% of the value specified
LC	不超过规定值 Not to exceed the value specified

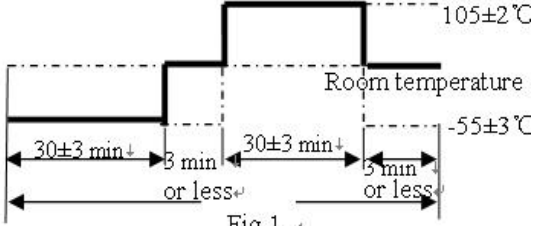
10> 温度特性试验 characteristics at High and low Temperature

于以下环境步骤按规定时间储存, 符合以下要求:

The following requirements shall be satisfied after the capacitors are stored at following conditions and specified time

步骤 Step	温度 Temperature	存储时间 Storage Time	测试项目 Test item	要求 requirements
1	20℃±2℃	30minutes	电容量 Capacitance 损耗角正切 Tangent of loss angle ESR	不超过规定值 Not to exceed the value specified
2	-55℃±3℃	2 hours	ESR	$Z(-55^{\circ}\text{C})/Z(20^{\circ}\text{C}) \leq 2.5$
3	105℃±3℃	2 hours	LC	$LC(105^{\circ}\text{C})/LC(\text{SPEC}) \leq 12.5$ LC(SPEC): 初始规定值 LC(SPEC): indicates the initial specified value
			ESR	$Z(+105^{\circ}\text{C})/Z(20^{\circ}\text{C}) \leq 1.25$

11> 快速变温试验 Rapid change of temperature

 Fig.1 使用电压：无负荷 Applied voltage : without load 循环次数：5 次 Cycle number : 5 Cycles 测试图:Fig. 1 Test diagram: Fig. 1	要求 requirement
	容量变化在初始值±20%内 Within ±20% of the initial value
	损失角不超过规定值 Dissipation factor: not to exceed the value specified
	ESR 不超过规定值 ESR: not to exceed the value specified
	LC 不超过规定值 LC: not to exceed the value specified

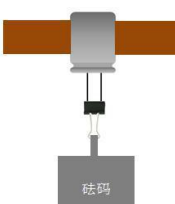
12> 端子强度试验 Lead strength test

1. 引张强度 Tensile Strength

电容器引脚向下，固定电容器本体，在引脚上静态负重至规定时间，符合以下要求：

Fixing capacitor body and pins down, static load on the pins to the specified time, meets the following requirements

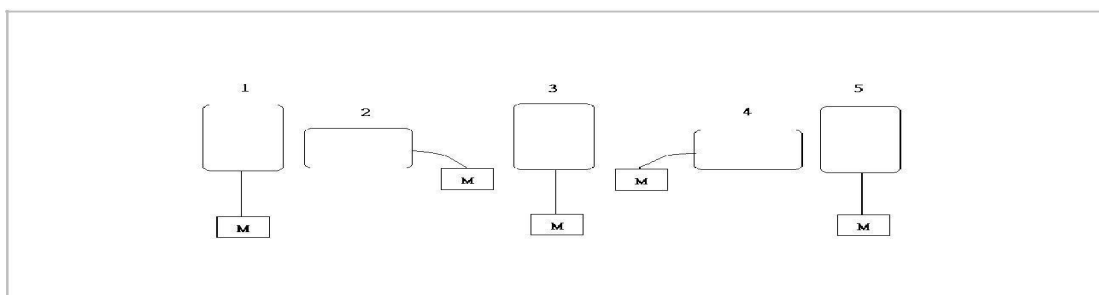
电容器引线直径 mm diameter of pin	负重 (N) weight	负重时间 (秒) load time	要求 requirement
$d \leq 0.5$	5	10 ± 1	端子无断裂、松动 pins have no broken and loose
$0.5 < d \leq 0.8$	10	10 ± 1	端子无断裂、松动 pins have no broken and loose
$0.8 < d \leq 1.2$	25	10 ± 1	端子无断裂、松动 pins have no broken and loose



2. 折弯强度 Bending strength

电容器引脚向下，固定电容器本体，在引脚上负重，按图示折弯，试验两回。

Fixing capacitor body and pins down, load on the pins and bending for 2 times according to following diagram, then meets requirements as below:



电容器引线直径 mm diameter of pin	负重 (N) weight	回数 cycle	要求 requirement
d≤0.5	2.5	2	端子无断裂、松动 pins have no broken and loose
0.5<d≤0.8	5	2	端子无断裂、松动 pins have no broken and loose
0.8<d≤1.2	10	2	端子无断裂、松动 pins have no broken and loose

13> 振动试验 Vibration test

振动频率: 10-55HZ (间隔 1 分钟 / 10HZ-->55HZ-->10HZ)

Vibration frequency: 10-55HZ (Spaced one minute apart/ 10HZ-->55HZ-->10HZ) 振幅: 0.75mm (总偏移 1.5mm)

Amplitude: 0.75mm (total migration 1.5mm)

方向: X、Y、Z (3 向)

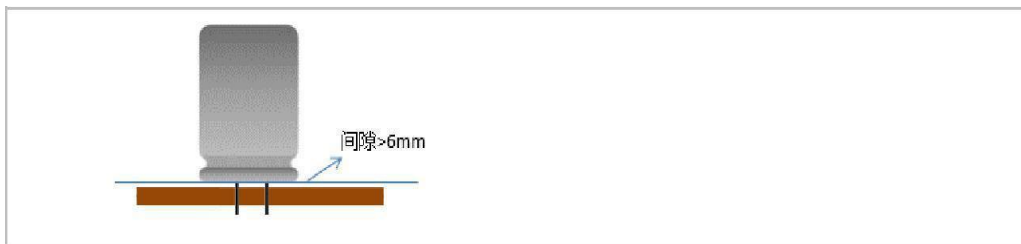
Direction: X、Y、Z axis(three directions)

持续时间: 2 小时/向

Duration: 2 hours/direction

安装图示如下:

Installation diagram as below:



30 分钟内, 容量值相比初始值不应有明显变化

Within 30 minutes, capacitance has no significant change comparison with initial value

项目 item	要求 requirement
容量变化 change of capacitance	在容量初始值±5%内 Within ±5% of the initial value
外观 appearance	端子无断裂、松动 pins have no broken and loose

14> 可焊性试验 Solderability test

焊料: 约 25%松香/乙醇溶液, 焊料 Sn-Ag-Cu

Solder: about 25% rosin/ethanol solution, solder Sn - Ag - Cu

温度: 245±5℃

Temperature: 245±5℃

时间: 2±0.5 秒

Time: 2±0.5 seconds

试验后端子浸渍位置至少 95%面积包盖了新锡。

After testing, more than 95% of the terminal surface shall be covered with new solder

15> 焊锡耐热试验

Solder Heat Resistance Test

1. 焊锡槽法 Tin groove method:

温度: $260\pm 5^{\circ}\text{C}$ 时间: 10 ± 1 秒Temperature: $260\pm 5^{\circ}\text{C}$ Time: 10 ± 1 seconds

2. 烙铁焊接方法 Soldering iron welding method:

温度: $400\pm 10^{\circ}\text{C}$ 时间: $3+1/-0$ 秒Temperature: $400\pm 10^{\circ}\text{C}$ Time: $3+1/-0$ seconds

以上两种方法, 在电容器热量趋于稳定后, 符合以下要求:

For above two methods, after the capacitor heat is stabilized, the following requirements should be met

项目 item	要求 requirement
容量变化 change of capacitance	在容量初始值 $\pm 5\%$ 内 Within $\pm 5\%$ of the initial value
损失角 dissipation factor	不超过规定值 Not to exceed the value specified
ESR	不超过规定值 Not to exceed the value specified
LC	不超过规定值 Not to exceed the value specified

16> 包装数量 Packing quantity

包装标签标示 Packing Label Marked

(下面的项目应该标志在标签上 the following items shall be marked on the label) (盒内或包内 Inside box or bag)

1) 系列 series 2) 料号 P/N 3) 额定电容 Rated capacitance 4) 额定电压 Rated Voltage

5) 数量 quantity 6) 尺寸 size

7) 批号 LOT Number :

1	-	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---

成品 Product 年 year 月 month 号码 number

分类		标准品			剪脚品		
尺寸		袋	内盒	外箱	袋	内盒	外箱
D (mm)	L (mm)	(pcs)	267x260x135 (mm)	546x279x160 (mm)	(pcs)	267x260x135 (mm)	546x279x160 (mm)
5	7	1000	10000	20000	1000	12000	24000
5	8	1000	10000	20000	1000	12000	24000
5	9	1000	10000	20000	1000	12000	24000
5	11.5	1000	10000	20000	1000	12000	24000
5	15	1000	10000	20000	1000	12000	24000
5.5	7	1000	10000	20000	1000	12000	24000
5.5	9	1000	10000	20000	1000	12000	24000
5.5	11.5	1000	10000	20000	1000	12000	24000
5.5	15	1000	10000	20000	1000	12000	24000
6.3	5.5	1000	10000	20000	1000	12000	24000
6.3	7	1000	10000	20000	1000	12000	24000
6.3	8	1000	10000	20000	1000	12000	24000

分类		标准品			剪脚品		
尺寸		袋 (pcs)	内盒 267x260x135 (mm)	外箱 546x279x160 (mm)	袋 (pcs)	内盒 267x260x135 (mm)	外箱 546x279x160 (mm)
D (mm)	L (mm)						
6.3	9	1000	10000	20000	1000	12000	24000
6.3	11.5	1000	10000	20000	1000	12000	24000
6.3	15	1000	10000	20000	1000	12000	24000
8	7	1000	10000	20000	1000	12000	24000
8	8	1000	10000	20000	1000	12000	24000
8	11.5	500	5000	10000	1000	6000	12000
8	16	500	5000	10000	500	6000	12000
10	10	500	5000	10000	1000	6000	12000
10	12	500	5000	10000	500	6000	12000
10	16	400	4000	4000	500	4000	8000

17>使用安装注意事项 Precautions for use and installation

固体铝电解电容器具有不同于一般电解液作为阴极的铝电解电容器，为使导电性高分子铝电解电容器在电路中发挥其优越的性能，在使用中请特别注意以下内容。

Solid aluminum electrolytic capacitors are different from the general electrolyte as the cathode of aluminum electrolytic capacitors. In order to make conductive polymer aluminum electrolytic capacitors play their superior performance in the circuit, please pay special attention to the following contents in use.

1. 极性	1. Polarity
导电性高分子型固体铝电解电容器的引出端子有正负极之分。 在电路中使用切勿将正负极接反，否则将导致电容器漏电流增加并将严重影响电容器的使用寿命。	The solid aluminum electrolytic capacitor with positive and negative electrodes. Do not reverse the polarity when using. If happened, increased leakage current or a decreased life span may result.
2. 不推荐使用的电路	2. Prohibited circuits
导电性高分子型固体铝电解电容器在电路使用中由于焊接等原因会导致漏电流增大，因此不推荐应用于以下电路。 a) 高阻抗电路 b) 耦合电路 c) 时间常数电路 d) 受漏电流影响较大的电路	Conductive polymer solid aluminum electrolytic capacitors in the circuit use due to welding and other reasons will lead to increased leakage current, so it is not recommended for use in the following circuits. a) High impedance circuits b) Coupling circuits c) Time constant circuits d) A circuit heavily affected by leakage current
3. 禁止在过电压状态下使用	3. Compliance with rated performance
导电性高分子型固体铝电解电容器必须在低于额定工作电压下使用。 瞬间的超过额定电压的过电压可能会导致电容器的短路。	The aluminum solid capacitor with conductive polymer must be used under the rated voltage. Over-voltage exceeding the rated voltage should not be applied since it may cause a short circuit.
4. 电容器焊接时的注意事项	4. Considerations when soldering
电容器的焊接条件请在本公司所规定的范围内进行。 强烈的焊接条件，可能会造成电容器电气性能的劣化甚至外观不良，严重时更会导致电容器漏电流的急剧增加和容量急剧下降。	The soldering conditions are to be within the range prescribed in specifications. If the specifications are not followed, there is a possibility of the cosmetic deflection, the intensive increase of leakage current, and the capacitance reduction.
5. 线路板焊接时的注意事项	5. Things to be noted before mounting
导电性高分子型固体铝电解电容器的封口皮塞具有较好的密封效果，由于封口的原因皮塞可能会有一定程度的鼓起，电路设计时请考虑本公司规格书的 L 尺寸和引线的位置公差范围。	The aluminum solid capacitors with conductive polymer is sealed well, because of sealing the rubble may protrude, please conform to the dimensional tolerance stipulated in the specifications.

1. 电路设计的注意事项	1. Considerations when circuit design
(a) 额定电性能的使用确认	(a) Service confirmation of rated electrical properties
在电路设计前, 请先确认电容器的使用及安 装环境, 请在本公司的技术手册或者规格书的规 定条件范围内正确使用。	Before the circuit design, please confirm the use and installation environment of the capacitor, and please use it correctly within the range of conditions specified in the company's technical manual or specifications.
(b) 使用温度和纹波电流	(b) Use temperature and ripple current
使用温度请设定在规格书规定的范围之内。 使用电容器过程中切勿施加超过额定纹波电流的电 流。如有此现象的发生将会导致电容器内部急 剧发热而严重缩短电容器的使用寿命。	The operating temperature should be set within the range specified in the specification. Do not apply more current than the rated ripple current when using the capacitor. If this phenomenon occurs, it will lead to acute heating inside the capacitor and seriously shorten the service life of the capacitor.
(c) 漏电流	(c) leakage current
对于高温无负荷、高温高湿无负荷及温度急 剧变化等试验也会导致漏电流的增大。 这种情况下, 在最高使用温度范围内施加额 定使用电压, 漏电流会有一定程度的降低。	Heat pressure from soldering and mechanical stress from transportation may cause the leakage current to become large. In such a case, leakage current will gradually decreased by applying voltage less than or to the rated voltage at a temperature within the upper category temperature.
(d) 电路设计时的施加电压	(d) The applied voltage at the time of circuit design
可以施加 100%的额定电压。请在直流电压 与纹波电压的最大值不超过额定电压的范围内使用。 直流电压偏低时, 纹波电压的负的最大值 不能超过额定电压的10%的反向电压。在切断电 源等造成的过渡现象中产生的反电压, 应在额定电压的 20% 以内使用。	100% of the rated voltage can be applied. Please use in the range where the maximum DC voltage and ripple voltage do not exceed the rated voltage. When the DC voltage is low, the maximum negative ripple voltage cannot exceed 10% of the rated voltage reverse voltage. The reverse voltage generated in the transition phenomenon caused by cutting off the power source should be used within 20% of the rated voltage.
(e) 电容器的绝缘性	(e) Insulation of capacitors
电容器的表面喷塑涂层不保证完全绝缘。使 用电容器时请将外壳、负极引线、正极引线与周 围组件之间的线路完全分开。	The sprayed coating on the surface of the capacitor does not guarantee complete insulation. When using the capacitor, completely separate the circuit between the housing, negative leads, positive leads and the perimeter assembly.
(f) 工作环境限制	(f) Working environment limitation
电容器在下列环境中禁止使用: (1)在有水、卤水、油的地方 (2)充满有害气体的地方, 如硫化氢、亚硫酸、氯 气、氨气等 (3)容易受臭氧氧化、紫外线及放射线辐射的地方	Capacitors are prohibited in the following environments: (1) where there is water, brine, oil (2) where there are harmful gases, such as hydrogen sulfide, sulfite, chlorine, ammonia, etc. (3) Areas susceptible to ozone oxidation, ultraviolet radiation and radiation
(g) 其它	(g) others
设计电路前请先确认以下内容: 电容器的电性能会受到温度和频率的影响, 在设计 前请先确认波动量。	Please confirm the following before designing the circuit: The electrical performance of the capacitor will be affected by temperature and frequency, please confirm the fluctuation before designing.

2. 安装注意事项	2. Installation precautions
(a) 安装前的注意事项	(a) Precautions before installation
使用过的电容器不能再使用。 长期保存的电容器其漏电流会有不同程度的升高，此情况下请通过 $1k\Omega$ 的电阻进行施加额定电压处理。 处理方法：在 $60\sim 70^{\circ}\text{C}$ 温度下施加额定电压 1h。	Used capacitors cannot be used again. The leakage current of the capacitor stored for a long time will increase to varying degrees, in this case, please apply the rated voltage treatment through the resistance of $1k\Omega$. Treatment method: Apply the rated voltage for 1h at a temperature of $60\sim 70^{\circ}\text{C}$.
(b) 安装时的注意事项	(b) Precautions during installation
安装时注意电容器的标称容量和额定电压，并确认极性。 安装过程中切勿将电容器掉落地面，此电容器不能再使用，安装过程中防止电容器变形。 安装前请确认电容器的引线间距是否与线路板孔间隔吻合。	Pay attention to the nominal capacity and rated voltage of the capacitor when installing, and confirm the polarity. Do not drop the capacitor to the ground during installation. The capacitor cannot be used again. Prevent deformation of the capacitor during installation. Before installation, ensure that the lead spacing of the capacitor is consistent with the hole spacing of the circuit board.
(c) 电烙铁焊接	(c) Soldering with electric iron
焊接温度、时间等请保持在本公司规格书规定的范围内。 焊接时不要给电容器施加过度的应力，通电的电烙铁不要触及电容器本身。 焊接后电容器的漏电流因焊接预热条件、焊接温度、时间、线路板的材质及材质不同而发生很大的变化，几十甚至几百微安，但是在施加额定电压后处于稳定状态时电容器由于自愈能力而会使其漏电流逐渐减小。	Welding temperature, time, etc. should be kept within the range specified in the company's specifications. Do not apply excessive stress to the capacitor when welding, and do not touch the capacitor itself with the energized electric soldering iron. After welding, the leakage current of the capacitor changes greatly due to the welding preheating conditions, welding temperature, time, the material and material of the circuit board, tens or even hundreds of microamps, but when the rated electrical voltage is applied in a stable state, the capacitor will gradually reduce its leakage current due to its self-healing ability.
(d) 焊接后注意事项	(d) Precautions after welding
电容器焊接在线路板后，请不要施加外力。禁止将电容器倾斜、弯折、扭曲。	After the capacitor is welded to the circuit board, do not apply external force. Do not tilt, bend or twist the capacitor.
3. 电容器在设备中安装时的注意事项	3. Precautions with completed board
(1) 安装过程中切勿直接接触电容器的引线端子。 (2) 禁止将电容器的正负极之间用导线短路，不要将导电性的酸性或碱性溶液洒落在电容器表面。 (3) 安装前确认电容器在设备中的安装环境。 (4) 设备的试验温度要在电容器的额定范围内使用。	(1) Do not directly touch the lead terminal of the capacitor during installation. (2) It is forbidden to use a wire short circuit between the positive and negative electrodes of the capacitor, and do not sprinkle the conductive acid or alkaline solution on the surface of the capacitor. (3) Confirm the installation environment of the capacitor in the equipment before installation. (4) The test temperature of the equipment should be made within the rated range of the capacitor

4. 意外情况的处理	4. Handling of unexpected situations
导电性高分子型固体铝电解电容器组成材料包括电解质、电解纸、皮塞和套管属于可燃性物质，电容器短路后电流值急剧增加，导致引线端子和电容器内部短路部分会产生电火花，情况严重时会引起皮塞和套管燃烧，所以在电路设计中应对电容器的安装方法和安装位置谨慎对待。	The conductive polymer solid aluminum electrolytic capacitor consists of electrolytes, electrolytic paper, plugs and bushings, which are inflammable substances. After the capacitor is short-circuited, the current value increases sharply, resulting in electrical sparks generated by the lead terminals and the internal short-circuited part of the capacitor. In serious cases, the plugs and bushings will burn. Therefore, in the circuit design, the installation method and installation position of the capacitor should be carefully treated
5. 电容器的保管条件	5. Storage conditions of capacitors
(1) 导电性高分子型固体铝电解电容器的保存要避免高温、高湿的环境，并避免阳光直射。 常温常湿(一般情况温度为 35℃ 以下，湿度保持在 75%RH 以下) (2) 为保持电容器具有良好的可焊性，应在产品出厂状态下(塑料袋包装)保管。 为防止吸潮而导致焊接性劣化，产品出厂时密封在专用的包装袋内。 (3) 为保持良好的焊接性，引线式产品保管期限为(购入后)一年，SMD 型的保管期限为(购入后)一年，SMD 型产品打开包装后，需在 4 周内使用完。 (4) 使用时，应在即刻安装前开封，开封后尽量全部用完。出现剩余时，散装产品重新放入原包装袋内，并用胶带封好开口部分。 (5) 不要将电容器直接保管在有水、卤素及有油等有机物的环境中。 (6) 不要将电容器保存在充满有害气体环境中，如硫化氢、亚硫酸、氯气、氨气等。 (7) 不要将电容器保存在易受臭氧氧化、紫外线及放射线辐射的环境中。	(1) The storage of conductive polymer solid aluminum electrolytic capacitors should avoid high temperature and high humidity environment, and avoid direct sunlight. Normal temperature and humidity (generally, the temperature is below 35 ° C, and the humidity is kept below 75%RH) (2) In order to maintain the good weldability of the capacitor, it should be kept in the factory state of the product (plastic bag packaging). In order to prevent weldability deterioration caused by moisture absorption, the product is sealed in a special packaging bag when leaving the factory. (3) In order to maintain good weldability, the storage period of lead type products is one year (after purchase), and the storage period of SMD type products is one year (after purchase), and SMD type products should be used within 4 weeks after opening the packaging. (4) When used, it should be opened before immediate installation, and used up as much as possible after opening. When there is surplus, the bulk product is put back into the original packaging bag, and the open part is sealed with tape. (5) Do not store capacitors directly in an environment with organic matter such as water, halogen and oil. (6) Do not store the capacitor in an environment full of harmful gases, such as hydrogen sulfide, sulfite, chlorine, ammonia, etc. (7) Do not store the capacitor in an environment susceptible to ozone oxidation, ultraviolet and radioactive radiation.

18>环保 Environmental protection

本公司每年一次，将电容主要材料及电容成品送第三方权威检测机构检测。

Once a year, the company will send the main materials and finished capacitors to third-party authoritative testing institutions for testing.

检测时，根据当年欧盟最新要求检测 **ROHS**、**SVHC** 管理物质。

At the time of testing, ROHS and SVHC management substances were tested according to the latest requirements of the European Union that year.

检测报告，本公司会在检测完成后上发给客户。

The test report will be sent to the customer after the test is completed

为倡导环保，节能减排，本公司一律提供 **pdf** 电子档承认书给客户。

In order to advocate environmental protection, energy saving and emission reduction, the company will provide pdf electronic documents to customers.

有特殊要求，请再联络本公司业务人员，谢谢！

For special requirements, please contact our business personnel. Thanks!