

CCHV (HI-Voltage, Class I, II Series) 中高壓陶瓷電容器

Capacitance Measuring Conditions: 容量測試條件

Class II	B	E	F	1KHZ	25°C
Class I	NPO	SL		1MHZ	1.0VRMS

Insulation Resistance: 絕緣電阻

10000MΩ AT 500VDC FOR 1 MINUTE.

Specification: 規格特性

Material 材質	TEMPERATURE RANGE 溫度範圍												
	NPO (COH)	SL	2SL	Y5P (B)	Y5R (B)	BN (B)	Y5E (B)	X7R (B)	Y5T (B)	Y5U (E)	Z5U (E)	Y5V (F)	Z5V (F)
Operation Temperature 使用溫度	-55°C ~125°C	-55°C ~125°C	-55°C ~125°C	-25°C ~125°C	-25°C ~125°C	-25°C ~125°C	-25°C ~125°C	-55°C ~125°C	-25°C ~125°C	-25°C ~125°C	+10°C ~85°C	-25°C ~85°C	+10°C ~85°C
Temperature Change Rate 溫度變化率	0±60 PPM	P350 ~N1000	P3000 ~N6000	±10%	±15%	±10%	±4.7%	±15%	±22%	+20% -55%	+20% -55%	+20% -82%	+20% -82%
Tolerance 誤差	±5%(J) ±10%(K) ±0.5PF ±0.25PF	±5%(J) ±10%(K)	±5%(J) ±10%(K)	±10% (K)	±10% (K)	±10% (K)	±10% (K)	±10% (K)	±10% (K)	±20% (M)	±20% (M)	+80%(Z) -20%(M)	+80%(Z) -20%(Z)
Q or D.F. 損失角	<30P Q>600 ≥30P Q>1000	<30P Q>600 ≥30P Q>1000	<100P Q>400 ≥100P Q>500 OR DF<0.1%	≤2.5%	≤0.2%	≤0.5%	≤2.5%	≤2.5%	≤1.0%	≤2.5%	≤2.5%	≤5%	≤5%
RoHS	Y/N	Y	Y	Y	N	N	Y	Y	N	Y	Y	Y	Y

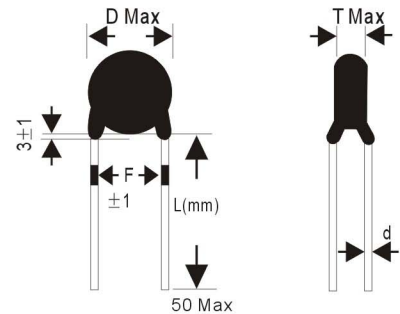
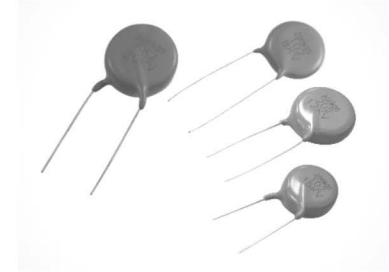
Dielectric Strength: 絕緣強度 TESTING 1-5SEC/1KHZ, 測試1-5秒在1KHZ

RATED VOLTAGE 直流電壓	500V-2KV	3KV-6KV	8KV-15KV	18KV-30KV	OVER30KV
TEST VOLTAGE 測試電壓	200%	150%	125%	120%	110%

Loading Life Time: 壽命測試

APPLY □times rated Voltage at maximum operating Temperature for 1000hours(I<50mA)
在試驗溫度下連續施加□倍電壓(充放電電流50mA以下)1000小時以上。

RATED VOLTAGE 直流電壓	500V-2KV	2.5KV-5KV	6KV-10KV	11KV-25KV	30KV-50KV	OVER50KV
TEST TIMES 測試倍數	125%	110%	100%	90%	80%	70%



Other SPEC, REFER TO P5-P7: 其他條件請參照P5-P7

RATED VOL.	TEMPERATURE CHARACTERISTICS & CAP. RANGE											DIMENSION(mm)			
	NPO	SL(2SL)	Y5R	BN	Y5E	Y5P	X7R	Y5U	Z5U	Y5V	Z5V	外徑 D(max)	腳距 P(±0.1)	厚度 T(max)	繞徑 d(±0.1)
500V (2H)	0.5P-47P	24P-221	221-561	221-681		271-222		202-682	202-682	332-682	—	6	5	4	0.45
	50P-101	241-391	561-102	821-102		222-472		103	103	103	103	8	5	4	0.45
	111-221	491-561	152	152-222		472-682		—	—	223	223	10	5	4	0.45
	241-331	681-102	222	272-332		682-822		103			333	12	5	4	0.5
				362-472							473	15	7.5/10	4	0.5
1KV (3A)	0.5P-47P	24P-221	221-561	221-681		221-102	221-102	102-222	102-222	272-332	472	6	5	4	0.45
	50P-101	241-391	561-102	821-102		122-222	122-222	272-562	272-562	392-103	502-103	8	5	4	0.45
	111-221	391-561	152	152-222		272-392	272-392	682-103	682-103	822-103	822-103	10	5	4	0.45
	241-331	681-102	222	272-332		472-562	472-562	103	103	153-223	223	12	5	4	0.50
				362-472		682	682				333-473	15	7.5/10	4	0.50
2KV (3D)	0.5P-33P	22P-101(101-221)	221-561	221-681	101-331	471-102	471-102	102-222	102-222	102-222	222-472	6	5	4	0.45
	36P-56P	121-221(241-561)	561-102	821-102	361-681	102-152	102-152	222-332	272-392	272-392	502-682	8	5	4	0.45
	56P-101P	241-331(681-821)	152	152-222	821-102	182-222	182-222	332-472	472-562	472-682	822-123	10	5	4	0.5
	121-151	361-471(102-122)	222	272-332	122-182	272-332	272-332	472-682	682-163	822-123	153-183	12	5/7.5	4	0.5
	161-201	(152-182)		362-472	202-272	362-472	362-472	822-103	103-153	123-183	203-273	14	7.5/10	4	0.6
3KV (3F)	0.5P-33P	22P-101(101-181)	101-331	101-391	101-221	221-471	221-471	471-102	681-102	102-152	102-222	6	7.5	5	0.5
	36P-56P	121-181(201-221)	391-561	471-102	471-102	501-102	501-102	122-182	182-332	182-332	272-472	8	7.5	5	0.5
	56P-101P	201-221(241-331)	681-102	122-182	501-681	122-152	122-152	202-272	272-332	362-472	502-682	10	7.5	5	0.6
	121-151	241-301(361-501)	122-152	202-272	821-122	182-222	182-222	302-392	362-682	502-682	822-103	12	7.5	5	0.6
	161-201	301-331(561-681)	182-222	302-362	152-182	272-392	272-392	402-682	402-682	822-103	822-103	14	7.5/10	5	0.6