

POLYPROPYLENE FILM CAPACITORS

TYPE : PPT

TC-PPT are constructed with polypropylene film dielectric, aluminum foil electrode, copper ply lead, outer wrapped with polyester film tape and ends sealed with epoxy resin in Non-inductive type.

They provide the following features :

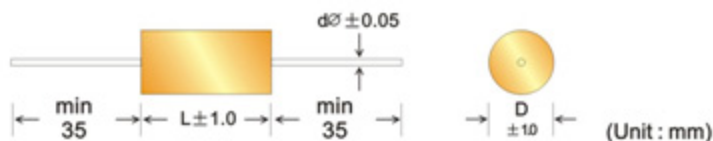
1. PPT indicate tubular type.
2. Low dissipation factor (DF) and high insulation resistance (IR).
3. Excellent long term stability characteristics.
4. Linear and slightly negative temperature coefficient.
5. Electrode and lead are spot welded, contact resistance is minimized.



SPECIFICATIONS:

OPERATING TEMPERATURE	-40 ~ +85°C
RATED VOLTAGE	50, 100, 160, 250, 400, 630V.D.C
CAPACITANCE RANGE	0.001 ~ 0.47 μ F
DIELECTRIC STRENGTH	200% or rated voltage for 1 minute.
CAPACITANCE TOLERANCE	$\pm 5\%$ (J) $\pm 10\%$ (K) $\pm 20\%$ (M)
INSULATION RESISTANCE	$5 \times 10^9 \Omega$ min.at 25°C
DISSIPATION FACTOR	0.1% MAX.at 1KHZ

TYPE : PPT



R.V. SIZE μ F	50/100VDC		160/250VDC		400VDC		630VDC	
	D	L	D	L	D	L	D	L
0.001	5.5	11.0	5.5	11.0	5.5	11.0	5.5	11.0
0.0015	5.5	11.0	5.5	11.0	5.5	11.0	5.5	11.0
0.0022	5.5	11.0	5.5	11.0	5.5	11.0	5.5	14.0
0.0033	5.5	11.0	5.5	11.0	6.5	11.0	6.5	14.0
0.0047	5.5	11.0	6.0	11.0	6.5	14.0	7.5	14.0
0.0068	5.5	11.0	6.0	14.0	7.5	14.0	8.0	14.0
0.01	5.5	11.0	7.0	14.0	8.0	14.0	10.0	14.0
0.015	6.5	11.0	7.5	14.0	9.0	14.0	9.0	19.0
0.022	7.0	14.0	8.5	14.0	10.5	14.0	10.5	19.0
0.033	8.0	14.0	10.0	14.0	10.0	19.0	12.5	19.0
0.047	9.0	14.0	9.5	19.0	11.5	19.0	12.5	26.0
0.068	10.5	14.0	11.0	19.0	11.5	26.0	14.5	26.0
0.1	10.0	19.0	11.5	26.0	15.0	26.0	15.5	31.0
0.15	11.5	19.0	13.5	26.0	16.5	26.0	17.5	31.0
0.22	12.5	26.0	15.5	26.0	17.5	31.0	L	d ϕ
0.33	14.5	26.0	16.5	31.0	20.0	31.0	below(14	0.6mm
0.47	15.5	31.0	20.0	31.0			(147 & over	0.8mm

Please contact us for special items or size not listed.

POLYPROPYLENE FILM CAPACITORS

TYPE : PPN

(NON-INDUCTIVE, EPOXY COATED)

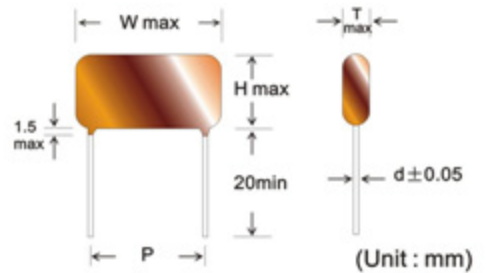
1. High working voltage range.
2. Low dissipation factor.
3. High insulation resistance.



SPECIFICATIONS:

OPERATING TEMPERATURE	-40 ~ +85°C
RATED VOLTAGE	63, 100, 160, 250, 400, 630, 1000V.D.C
CAPACITANCE RANGE	0.001 ~ 0.47 μ F
DIELECTRIC STRENGTH	250% of rated voltage for 5 sec.
CAPACITANCE TOLERANCE	\pm 5%(J) \pm 10%(K)
INSULATION RESISTANCE	50,000M Ω min at 25°C
DISSIPATION FACTOR	C < .15 μ F 0.1% max at 1KHz C \geq .15 μ F 0.2% max

TYPE : PPN



CAP SIZE	RV	63V	100V	160V	250V	400V	630V	1000V
.001							C-2	C-3
.0015			B-2			B-1/B-2	C-2	C-3
.0022						B-1/B-2	C-3	C-4
.0033					B-1	B-1/B-2	C-2	C-4
.0047					B-1	B-2	C-3	C-4
.0058			B-1		C-3	C-3	C-4	C-4
.0068			B-1		C-3	C-4	C-4	D-1
.01			C-2	C-3	C-3	C-4	C-4	D-2
.015			C-2	C-3	C-4	C-4	D-2	D-3
.022			C-3	C-4	C-4	D-2	D-3	D-4
.033			C-3	C-4	C-4	D-2	D-3	E-2
.047	C-3	C-4	C-4	D-1	D-2	D-3	D-4	
.056	C-3	C-4	D-1	D-2	D-3	D-4	E-2	
.068	C-4	C-4	D-2	D-3	D-4	D-4	E-2	
.1	D-2	D-3	D-3	D-3	D-4	D-4	E-3	
.15	D-3	D-3	D-4	D-4	E-2	E-2	F1	
.22	D-3	D-4	E-2	E-2	E-3	E-3	F1	
.33	E-2	E-2	E-3	F-1	F-1	E-3		
.47	E-2	E-3	E-3	F-1				

CODE	W	H	T	P
A-2	7.0	7.0	5.0	5.0
B-1	9.5	8.0	5.0	7.5
B-2	10.0	9.0	5.0	7.5
C-1	12.0	7.0	3.0	10.0
C-2	12.5	9.0	4.0	10.0
C-3	12.5	10.0	5.0	10.0
C-4	12.5	12.0	6.0	10.0
D-1	18.0	11.0	5.0	15.0
D-2	18.0	12.5	6.0	15.0
D-3	18.0	15.0	7.0	15.0
D-4	18.0	15.5	8.5	15.0
E-2	26.0	18.5	8.5	22.5
E-3	26.0	20.0	12.0	22.5
F-1	30.0	22.0	13.0	27.5

Please contact us for special case or size items not listed.

POLYPROPYLENE FILM CAPACITORS

TYPE : PPI

(CQM-92PD-INDUCTIVE, EPOXY COATED)

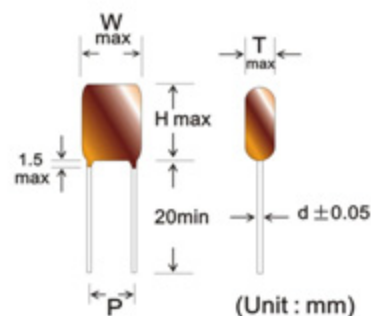
1. High stability of capacitance & of over time and temperature.
2. Low dissipation factor.
3. Small size.
4. High Insulation resistance.



SPECIFICATIONS:

OPERATING TEMPERATURE	-40 ~ +85°C
RATED VOLTAGE	50, 100V.D.C
CAPACITANCE RANGE	330pf to 0.1 μ F
DIELECTRIC STRENGTH	250% of rated voltage for 5 sec.
CAPACITANCE TOLERANCE	$\pm 1\%$ (F), $\pm 2\%$ (G), $\pm 5\%$ (J), $\pm 10\%$ (K)
INSULATION RESISTANCE	1000,000M Ω min at 25°C 100VDC
DISSIPATION FACTOR	C \leq 0.068 μ F 0.15% max C > 0.068 μ F 0.2% max at 1Khz

TYPE : PPI



Capacitance		50/100VDC					Capacitance		50/100VDC				
Symbol	μ F(pf)	W	H	T	P	d	Symbol	μ F(pf)	W	H	T	P	d
331	330	7.0	10.0	4.5	4.0	0.5	822	0.0082	8.0	12.0	6.0	5.0	0.5
391	390	7.0	10.0	4.5	4.0	0.5	103	0.01	8.0	12.0	6.5	5.5	0.5
471	470	7.0	10.0	4.5	4.0	0.5	123	0.012	8.0	12.0	5.5	5.5	0.5
561	560	7.0	10.0	4.5	4.0	0.5	153	0.015	8.0	12.0	5.5	5.5	0.5
681	680	7.0	10.0	4.5	4.0	0.5	183	0.018	8.0	12.5	5.5	5.5	0.5
821	820	7.0	10.0	4.5	4.0	0.5	223	0.022	9.5	12.5	6.0	6.0	0.5
102	0.001	7.0	10.5	4.5	4.0	0.5	273	0.027	9.5	12.5	6.0	6.0	0.5
122	0.0012	7.0	10.5	4.5	4.0	0.5	333	0.033	10.5	13.5	7.0	6.0	0.5
152	0.0015	7.0	10.5	4.5	4.0	0.5	393	0.039	10.5	13.5	7.0	6.0	0.5
182	0.0018	7.0	10.5	5.0	4.0	0.5	473	0.047	11.5	13.5	7.0	6.5	0.5
222	0.0022	7.0	10.5	5.5	4.0	0.5	563	0.056	11.5	13.5	7.0	6.5	0.5
272	0.0027	7.0	10.5	5.5	4.0	0.5	683	0.068	13.0	13.5	8.5	7.5	0.5
332	0.0033	7.5	10.5	5.5	4.0	0.5	823	0.082	13.0	13.5	8.5	7.5	0.5
392	0.0039	7.5	10.5	5.5	4.0	0.5	104	0.1	13.5	13.5	8.5	8.0	0.5
472	0.0047	7.5	10.5	5.5	4.0	0.5							
562	0.0056	7.5	10.5	5.5	4.0	0.5							
682	0.0068	8.0	10.5	6.0	5.0	0.5							

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POLYPROPYLENE FILM CAPACITORS

TYPE : PSA&PSR

(INDUCTIVE, AXIAL AND RADIAL, WELDED LEAD STYLE)

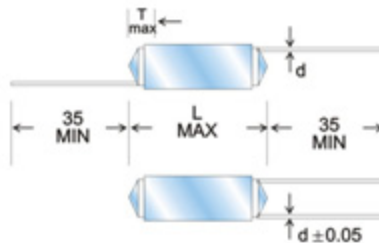
1. High stability of capacitance & DF versus temperature and frequency.
2. Low dissipation factor and high insulation resistance.
3. High Precision of capacitance is available.



SPECIFICATIONS:

OPERATING TEMPERATURE	-40 ~ +85°C
RATED VOLTAGE	50, 125, 500V.D.C
CAPACITANCE RANGE	56pf to 10000pf
DIELECTRIC STRENGTH	250% of rated voltage for 5 sec.
CAPACITANCE TOLERANCE	±1%(F), ±2%(G), ±5%(J), ±10%(K)
INSULATION RESISTANCE	50,000M Ω min at 25°C
DISSIPATION FACTOR	≤0.1% at 1Khz

TYPE : PSA



TYPE : PSR

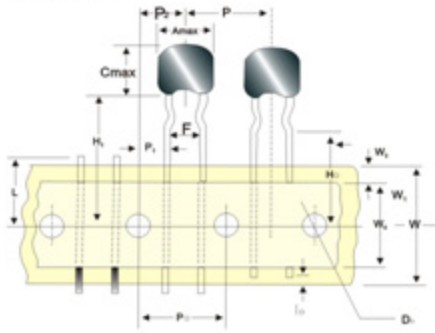


(Unit : mm)

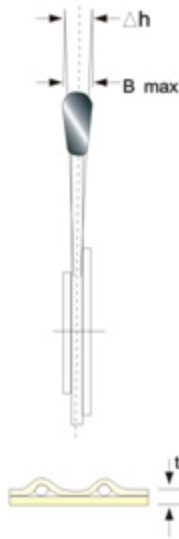
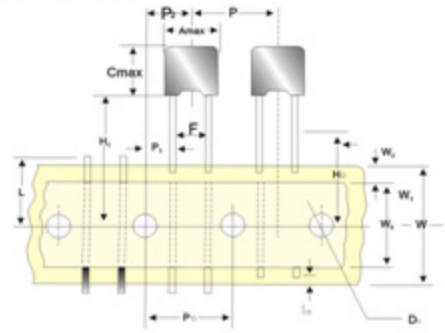
CAP SIDE	50VDC			125VDC			500VDC			CAP SIDE	50VDC			125VDC			500VDC		
	D	L	d	D	L	d	D	L	d		D	L	d	D	L	d	D	L	d
56	5.5	12.0	0.4	5.5	12.0	0.4	5.5	12.0	0.4	820	6.0	12.0	0.4	6.5	12.0	0.4	6.5	17.0	0.4
68	5.5	12.0	0.4	5.5	12.0	0.4	5.5	12.0	0.4	1000	6.0	12.0	0.4	6.5	17.0	0.4	7.0	17.0	0.4
82	5.5	12.0	0.4	5.5	12.0	0.4	5.5	12.0	0.4	1200	6.0	12.0	0.4	6.5	17.0	0.4	7.5	17.0	0.4
100	5.5	12.0	0.4	5.5	12.0	0.4	5.5	12.0	0.4	1500	6.0	12.0	0.4	6.5	17.0	0.4	7.5	21.0	0.4
120	5.5	12.0	0.4	5.5	12.0	0.4	5.5	12.0	0.4	1800	6.0	12.0	0.4	7.0	17.0	0.4	8.0	21.0	0.4
150	5.5	12.0	0.4	5.5	12.0	0.4	6.0	12.0	0.4	2200	6.5	12.0	0.4	7.0	17.0	0.4	8.0	22.0	0.4
180	5.5	12.0	0.4	5.5	12.0	0.4	6.0	12.0	0.4	2700	7.0	12.0	0.4	7.0	17.0	0.4	8.5	22.0	0.4
220	5.5	12.0	0.4	5.5	12.0	0.4	6.0	12.0	0.4	3300	7.0	12.0	0.4	7.0	20.0	0.4	9.5	24.0	0.5
270	5.5	12.0	0.4	5.5	12.0	0.4	6.0	12.0	0.4	3900	7.5	12.0	0.4	9.5	20.0	0.4	9.5	24.0	0.5
330	5.5	12.0	0.4	5.5	12.0	0.4	6.5	12.0	0.4	4700	8.0	12.0	0.4	7.5	20.0	0.4	10.0	24.0	0.5
390	5.5	12.0	0.4	5.5	12.0	0.4	6.5	12.0	0.4	5600	8.5	12.0	0.4	8.0	20.0	0.5	11.0	24.0	0.5
470	5.5	12.0	0.4	5.5	12.0	0.4	6.5	12.0	0.4	6800	9.0	12.0	0.4	8.0	20.0	0.5	11.0	24.0	0.5
560	5.5	12.0	0.4	5.5	12.0	0.4	6.5	17.0	0.4	8200	9.5	12.0	0.4	9.5	22.0	0.5	12.0	24.0	0.5
680	5.5	12.0	0.4	6.0	12.0	0.4	6.5	17.0	0.4	10000	10.0	12.0	0.4	10.5	22.0	0.5	13.0	24.0	0.5

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Crimped Lead Taping

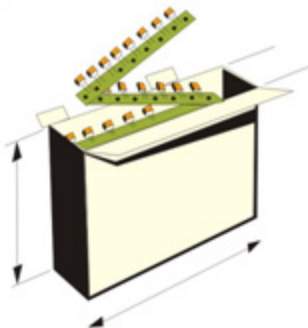


Straight Lead Taping



	Dimension mm(Inch)			
P	12.70	±1.00	(0.500 ±0.0394)	
PO	12.70	±0.20	(0.500 ±0.008)	
P2	6.35	±1.30	(0.250 ±0.051)	
P1	3.85	±0.50	(0.152 ±0.020)	
F	5.00	±0.80	(0.197 ±0.0315)	
Δh	0.00	±2.00	(0.000 ±0.07870)	
W	18.00	±0.50	(0.709 ±0.020)	
W1	9.00	±0.50	(0.354 ±0.020)	
H1	20.00	±0.75	(0.787 ±0.0300)	
H2	18.00	±0.50	(0.079 ±0.020)	
HO	16.00	±0.50	(0.630 ±0.020)	
I	2.00	MAX.	(0.079 MAX.)	
IO	7.00	MAX.	(0.00276 MAX.)	
∅D	4.00	±0.20	(0.157 ±0.008)	
W0	12.5	MIN.	(0.492 MIN.)	
t	0.700	±0.20	(0.028 ±0.008)	
W2	3.00	MAX.	(0.118 MAX.)	
L	11.0	MAX.	(0.433 MAX.)	

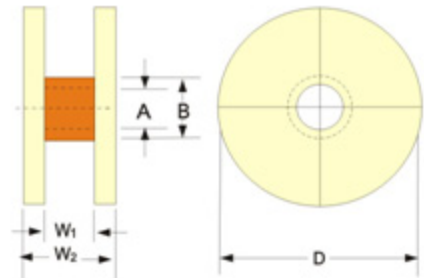
Ammo Box Packing



dimensions

A 52mm B 260mm C 330mm

Straight Lead Taping



A 15mm B 80mm D 370mm W1 45mm W2 55mm