

**SURGE**

Components, Inc.

95 E. Jefryn Blvd.

Deer Park, NY 11729 • 631 595-1818 • FAX: 631 595-1283

CMPP Series

Metallized Polypropylene Film Capacitors X2-Class

● Features

- Flame retardant plastic Case
- Compact
- Excellent active and passive flame resistant properties

● Recommended Applications

- Interference Suppressors

● Explanation of Part Numbers

CMPP	275VAC	104	K	A
Series	Rated Voltage	Nominal Cap.	Tol. ±10%	Size Code

● Markings

Front Side
CMPP: Series
334K: Cap. Value, Tol
X2: App. Class
S: Maker
Safety Agency

Upper Side

Date Code: 2 9 03 101

2: Year - 2002

9: Month - September (10, 11, 12 → O, N, D)

03: Day

101: Lot No.

● Applicable Standard & Applicable Number

UL	UL1283	E219569	Across the line Capacitors. Antenna coupling. Line-by pass Components.
CSA	CAN/CSA-C-22.2 N01-98	LR113849-3	
	CAN/CSA-C-22.2 N008-M1986	LR113849-4	
VDE	VDE0565	124225	
ÖVE	92714/632-1X/2196	F983-000-00	
SEV	IEC60384-14:93 (ed.2)AL:95	CH-99: 1.0476.ZA.5.A	
NEMKO	EN132400-94 /IEC-384-14:93	P00100060	
FIMKO	FI16385	215990	



CODE NO	CAP (μ F)	DIMENSION (mm)				
		L	T	H	P± 0.5	d(ϕ)
CMPP473	0.047	18.0	5.0	11.0	15.0	0.6
CMPP563	0.056	18.0	5.0	11.0	15.0	0.6
CMPP683	0.068	18.0	6.0	12.0	15.0	0.6
CMPP823	0.082	18.0	6.0	12.0	15.0	0.6
CMPP104	0.1	18.0	6.0	12.0	15.0	0.8
CMPP124	0.12	18.0	7.5	13.5	15.0	0.8
CMPP154	0.15	18.0	7.5	13.5	15.0	0.8
CMPP184	0.18	18.0	8.5	14.5	15.0	0.8
CMPP224	0.22 A	18.0	8.5	14.5	15.0	0.8
CMPP224	0.22 B	18.0	9.5	17.5	15.0	0.8
CMPP224	0.22 C	26.5	7.0	16.0	22.5	0.8
CMPP274	0.27	26.5	8.5	17.0	22.5	0.8
CMPP334	0.33	26.5	8.5	17.0	22.5	0.8
CMPP394	0.39	26.5	10.0	19.0	22.5	0.8
CMPP474	0.47 A	26.5	10.0	19.0	22.5	0.8
CMPP474	0.47 B	32.0	11.0	20.0	27.5	0.8
CMPP564	0.56	32.0	11.0	20.0	27.5	0.8
CMPP684	0.68	32.0	11.0	20.0	27.5	0.8
CMPP824	0.82	32.0	13.0	22.0	27.5	0.8
CMPP105	1.0	32.0	13.0	22.0	27.5	0.8
CMPP125	1.2	32.0	15.0	24.0	27.5	0.8
CMPP155	1.5 A	32.0	17.5	27.0	27.5	0.8
CMPP155	1.5 B	32.0	15.0	24.0	27.5	0.8
CMPP185	1.8	32.0	17.5	27.0	27.5	0.8
CMPP225	2.2	32.0	18.0	33.0	27.5	0.8

* Lead Length: 15mm minimum

● Specifications

Operating temp.range	-40 to 85°C: CSA, ÖVE, SEV, NEMKO, FIMKO -40 to 105°C: UL, VDE
Rated Voltage	275VAC (VDE, ÖVE, SEV, NEMKO, FIMKO) 250VAC (CSA, UL)
Capacitance Range	0.01 μ F to 2.2 μ F
Capacitance Tolerance	± 10%(K), ± 20%(M)
Dielectric Loss tangent (D.F.)	1kHz: <0.08%
	$C \leq 0.1\mu F$ < 0.1%
	10kHz: $0.1\mu F < C \leq 0.47\mu F$ < 0.2% $C > 0.47\mu F$ < 0.7%
Withstand Voltage	Between terminal: 1070VDC 60sec. : 2200VDC 3sec. $\left[\begin{array}{l} C > 1.0\mu F : 2200VDC \div C\mu F \\ C \leq 1.0\mu F : 2200VDC \end{array} \right.$ Between terminal to case: 2000VAC 60sec.
Insulation Resistance	$C \leq 0.33\mu F$: 30000M Ω min. $C > 0.33\mu F$: 10000 Ω · F min. (20°C 100VDC 60sec)