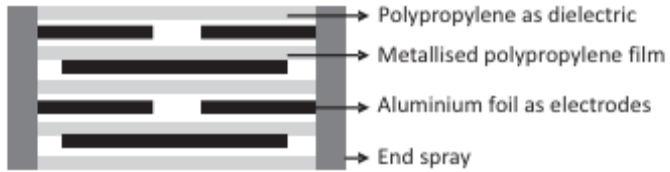


El-Ci-Ar[®] MPF 11 FILM FOIL SERIES CAPACITORS

Construction

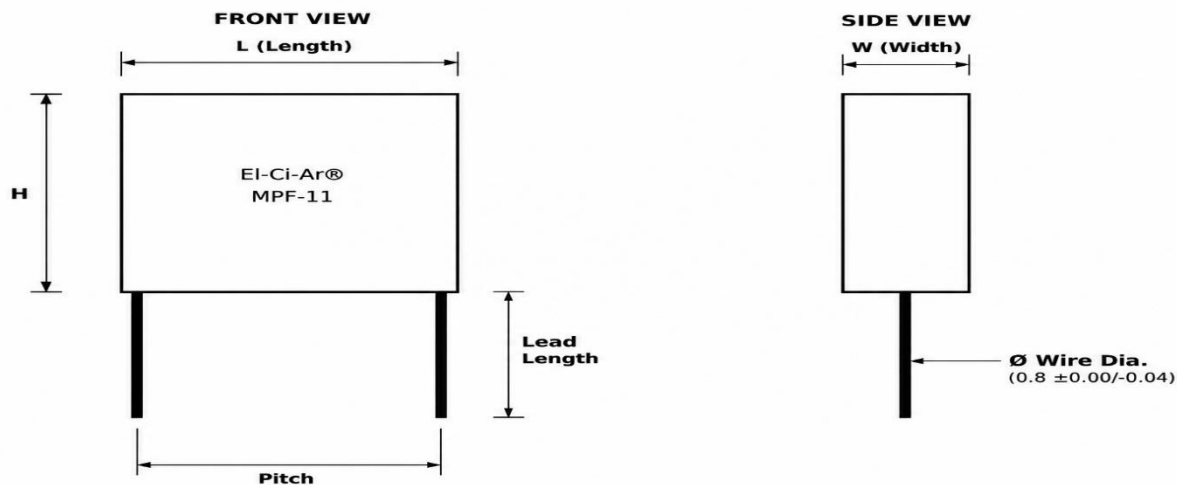
Extended foil electrodes with metallised polypropylene dielectric internal series connection



MAIN APPLICATIONS: High voltage DC and AC applications, IGBT gate drive circuits, snubber and bypass networks, power supply filtering, high frequency power electronics.

CONSTRUCTION: Polypropylene film, aluminium foil and metallised polypropylene film wound in an internal series construction, vacuum impregnated, enclosed in a plastic box with resin filling and radial tin-plated copper wire leads.

MPF 11 — OUTLINE DIMENSIONS (All dimensions in mm)



ELECTRODES: Aluminium Foil + Metallised Polypropylene Film.

TERMINATIONS: Tin Plated Copper Wire.

ENCAPSULATION: Plastic Box, Resin Filled, Radial Leads.

TERMINALS: Tin coated Copper Wire

TEMPERATURE RANGE: -55°C to +85°C (standard series); -55°C to +105°C (Extended temperature series).

APPLICABLE SPECIFICATION: IEC 384-17

CAPACITANCE VALUE: 2.2nF to 3.0µF,

RATED VOLTAGE VDC: 1000, 1500, 2000, 2500, 3000

RATED VOLTAGE VAC: 500, 600, 700, 750, 800

TOLERANCE: ±5%, ±10%, (Other tolerance available)

VOLTAGE PROOF Between terminals: 1.6 x rated DC voltage for 2 seconds; (2 x VDC for select AC-rated types).

INSULATION RESISTANCE (25°C, 500 VDC for 1 minute)

≥100,000 MΩ for standard series,

≥ 30,000 MΩ for C≤0.33uF; ≥ 10,000 MΩ for C>0.33uF,

For high-capacitance / high-voltage types- Refer individual datasheet.

DISSIPATION FACTOR (tan δ) at 25°C:

≤ 0.0010 at 1 kHz (standard series); ≤ 0.0004 at 1 kHz (high-frequency / AC types).

TEST VOLTAGE: 1.6 × VRDC for 2 seconds (standard); 2 × VRDC for 2 seconds (Select AC-rated types).

FLAMMABILITY: UL94 V0 (select high-voltage AC types).

PRODUCT RATING & OUTLINE DIMENSIONS (mm)

Capacitance (μF)	Rated Voltage VDC	Rated Voltage VAC	W max (mm)	H max (mm)	L max (mm)	Pitch (mm)	Wire Ø mm	Wire L mm
0.1	1000	500	10	18	26	22.5	0.8	20-25
0.15	1000	500	13	22	32	27.5	0.8	20-25
0.22	1000	500	17	29	42	37.5	1.0	20-25
0.25	1000	500	17	29	42	37.5	1.0	20-25
0.47	1000	500	17	29	42	37.5	1.0	20-25
0.68	1000	500	20	36	42	37.5	1.0	20-25
1.0	1000	500	24	38	45	37.5	1.0	20-25
2.0	1000	500	33	45	43	37.5	1.0	20-25
3.0	1000	500	43	50	54	50	1.2	20-25
15n (0.015μF)	2000	1000	8.5	17	26	22.5	0.8	20-25
33n (0.033μF)	2000	700	17	29	42	37.5	1.0	20-25
0.22	2000	700	20	36	42	37.5	1.0	20-25
0.33	2000	700	24	38	45	37.5	1.0	20-25
0.47	2000	700	33	45	43	37.5	1.0	20-25
0.68	2000	700	30	45	57.5	52.5	1.2	20-25
0.75	2000	600	30	45	57.5	52.5	1.2	20-25
1.0	2000	700	43	50	54	50	1.2	20-25
2n2 (0.0022μF)	2500	750	8	13	26	22.5	0.8	20-25
4n7 (0.0047μF)	2500	750	8	13	26	22.5	0.8	20-25
6n8 (0.0068μF)	2500	750	8	17	26	22.5	0.8	20-25
10n (0.01μF)	2500	750	8	17	26	22.5	0.8	20-25

*** Custom designed capacitors are available on request.**

FACTORY: 68, Hadapsar Ind. Estate, Pune 411013.

REGD OFFICE: 1st Floor, Mistry Mansion, 119, M.G. Road, Fort, Mumbai-400001.

PHONE: Office: (022) 6633 0448, 6630 7244, 6632 4681, 6633 0447

India - Satish Shenoy (Mobile +91 9867265659), Europe - Georg Arsin (Mobile +49 176 13008812)

Website: www.neutroniks.com; **Email:** Sales@neutroniks.com