DAYTON AUDIO
METALLIZED POLYPROPYLENE

□ GENERAL INFORMATION

Type	: Metallized Film Capacitor.
Dielectric	: Polypropylene Film.
Electrodes	: Aluminum Metallized, Vacuum Deposited.
Construction	: Round Tubular Type, Axial Leads.
Winding	: Bifilar Extended Metallized Film.
Contact	: Non-Inductive, Zinc Thermally Sprayed Extended Film.
Coating	: Black Plastic Tape Wrapped, Yellow or White Resin Sealed.
Leads	: Tinned Plated Oxygen Free Pure Copper.

□ TECHNICAL DATA

Capacitance Range/Tolerance	: 0.1 ... 100 µF, E 24 series, ±5 %, ±1 %. (see specifications for details)
Dielectric Constant	: 2.1 ε_r, non-polar dielectric.
Dielectric Absorption Factor	: ≤ .07 % @ 20 °C.
Equivalent Series Resistance	: Extremely low. (see specifications for details)
Self Inductance	: ≤ 15 nH with 6 mm leads.
Dissipation Factor	: Extremely low. (see specifications for details)
Insulation Resistance	: ≥ 100,000 MΩ @ 20 °C.
Temperature Coefficient	: -200×10^{-6} / °C.
Temperature Range	: -55 °C to +85 °C.
Test Voltage	: 1.5 × Vr for 5 sec.
Rated Voltage	: DMPC = 250Vdc/150Vac 5%, PMPC = 250Vdc/150Vac 1%
Dielectric Thickness	: DMPC = 4 µm, PMPC = 4 µm
Metal Layers Thickness	: DMPC = .03 µm, PMPC = .03 µm
Metal Layers Conductivity	: DMPC = 1.5 - 3 Ω / cm^2 PMPC = 1.5 - 3 Ω / cm^2
Leads Diameter	: 0.8, 1.0 , 1.2mm Ø. (see specifications for details)

□ FEATURE

Tubular Type Construction.
High Conductivity Metallization.
Soldered Lead Termination.
Good Current Capacity.
Good Frequency and Temperature Stability.
Very Good Long Term Electrical and Mechanical Reliability.
No Short Term and / or Long Term Signal Aberration.
Good Handling of High Current Pulse.

□ ELECTRICAL PERFORMANCE

Low Dielectric Absorption Factor.
Low Equivalent Series Resistance.
Low Inductance.
High Resonant Frequency.
Linear Impedance Characteristics.
Low Dissipation Factor.
High Insulation Resistance.

Dissipation Factor (%) +10%
Dimensions (mm) +10%

DMPC 250Vdc/150Vac 5%

P/N	Capacitance/DF	D x L
DMPC-0.10	0.10 mfd .0002	6 x 15
DMPC-0.22	0.22 mfd .0002	8 x 19
DMPC-0.33	0.33 mfd .0002	9 x 19
DMPC-0.47	0.47 mfd .0002	9 x 25
DMPC-0.68	0.68 mfd .0002	10 x 25
DMPC-1.0	1.0 mfd .0002	11 x 31
DMPC-1.5	1.5 mfd .0003	13 x 31
DMPC-2.0	2.0 mfd .0003	14 x 31
DMPC-2.2	2.2 mfd .0003	15 x 31
DMPC-2.7	2.7 mfd .0003	16 x 31
DMPC-3.0	3.0 mfd .0003	17 x 31
DMPC-3.3	3.3 mfd .0004	18 x 31
DMPC-4.0	4.0 mfd .0004	18 x 31
DMPC-4.3	4.3 mfd .0004	20 x 31
DMPC-4.7	4.7 mfd .0004	21 x 31
DMPC-5.1	5.1 mfd .0005	21 x 31
DMPC-5.6	5.6 mfd .0005	22 x 31
DMPC-6.2	6.2 mfd .0005	23 x 31
DMPC-6.8	6.8 mfd .0006	20 x 46
DMPC-7.5	7.5 mfd .0006	20 x 46
DMPC-8.2	8.2 mfd .0007	22 x 46
DMPC-10	10 mfd .0007	22 x 46
DMPC-12	12 mfd .0008	23 x 56
DMPC-15	15 mfd .0008	25 x 56
DMPC-18	18 mfd .0009	28 x 56
DMPC-20	20 mfd .0009	29 x 56
DMPC-25	25 mfd .0010	30 x 61
DMPC-27	27 mfd .0010	30 x 61
DMPC-30	30 mfd .0011	32 x 61
DMPC-33	33 mfd .0011	34 x 61
DMPC-40	40 mfd .0012	41 x 61
DMPC-47	47 mfd .0013	41 x 61
DMPC-50	50 mfd .0014	37 x 77
DMPC-60	60 mfd .0016	40 x 77
DMPC-68	68 mfd .0018	47 x 78
DMPC-75	75 mfd .0020	45 x 77
DMPC-90	90 mfd .0024	48 x 77
DMPC-100	100 mfd .0030	51 x 77

PMPC 250Vdc/150Vac 1%

P/N	Capacitance/DF	D x L
PMPC-0.10	0.10 mfd .0002	6 x 15
PMPC-0.22	0.22 mfd .0002	8 x 19
PMPC-0.47	0.47 mfd .0002	9 x 25
PMPC-1.0	1.0 mfd .0002	11 x 31
PMPC-1.5	1.5 mfd .0003	13 x 31
PMPC-2.0	2.0 mfd .0003	14 x 31
PMPC-2.2	2.2 mfd .0003	15 x 31
PMPC-2.7	2.7 mfd .0003	16 x 31
PMPC-3.0	3.0 mfd .0003	17 x 31
PMPC-3.3	3.3 mfd .0004	18 x 31
PMPC-4.0	4.0 mfd .0004	18 x 31
PMPC-4.7	4.7 mfd .0004	21 x 31
PMPC-5.1	5.1 mfd .0005	21 x 31
PMPC-5.6	5.6 mfd .0005	22 x 31
PMPC-6.2	6.2 mfd .0005	23 x 31
PMPC-6.8	6.8 mfd .0006	20 x 46
PMPC-8.2	8.2 mfd .0007	22 x 46
PMPC-10	10 mfd .0007	22 x 46
PMPC-12	12 mfd .0008	23 x 56
PMPC-15	15 mfd .0008	25 x 56
PMPC-20	20 mfd .0009	29 x 56
PMPC-25	25 mfd .0010	30 x 61
PMPC-30	30 mfd .0011	32 x 61
PMPC-40	40 mfd .0012	41 x 61