

# DAYTON AUDIO FILM & FOIL CAPACITORS

- **GENERAL INFORMATION**

Type : Tin Foil / Polypropylene Film Capacitor.  
Dielectric : Bi-axially Oriented Polypropylene Film.  
Construction : Round Tubular Type, Axial Leads.  
Coating : Black Plastic Tape Wrapped, Yellow Epoxy Resin Sealed.  
Electrodes : Pure Tin Foil.  
Winding : Bifilar Extended Foil Design.  
Contact : Non-Inductive, Radially Knurled Extended Foil.  
Connectors : Tinned Plated Oxygen Free Copper.

- **TECHNICAL DATA**

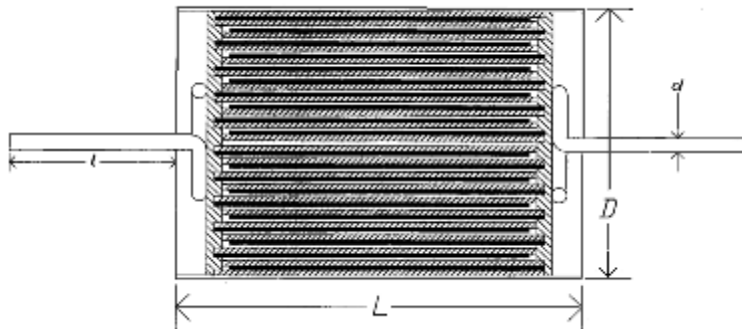
Capacitance Range/Tolerance : .01 ... 0.47 uF, E 12 series, +-5 %, typ. 3% (see specifications for details)  
Dielectric Constant : 2.1 er, non-polar dielectric.  
Dielectric Absorption Factor : Less Than .05 % @ 20°C.  
Equivalent Series Resistance : Low (see specifications for details)  
Dissipation Factor : Low (see specifications for details)  
Self Inductance : Less Than 15 nH with 6 mm leads.  
Insulation Resistance : More than 100,000 MegOhm @ 20°C.  
Temperature Range : -55°C to +85°C.  
Test Voltage : 1.5 x Vr for 5 sec.  
Rated Voltage : 400 VDC/250 VAC  
Dielectric Thickness : 5 micron  
Metal Layers Thickness : 5 micron  
Leads Diameter : 0.8, copper.. (see specifications for details)

- **FEATURE**

Special Tubular Type Construction.  
 High Conductivity Tin Foil.  
 Tin/Silver Soldered Lead Termination.  
 High Current Capacity.  
 High Frequency and Temperature Stability.  
 Good Long Term Electrical and Mechanical Reliability.  
 No Short Term and / or Long Term Signal Aberation.  
 Good Handling of Fast High Current Pulse.

- **ELECTRICAL PERFORMANCE**

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



DAYTON INC.  
 CAPACITORS  
 TIN FOIL

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

P/N	400Vdc/250Vac Capacitance/DF	D x L	d x l
DFFC-0.01	.01 mfd .0007	6 x 18	0.8 x 30
DFFC-0.10	.10 mfd .0010	12 x 20	0.8 x 30
DFFC-0.22	.22 mfd .0013	11 x 35	0.8 x 30
DFFC-0.33	.33 mfd .0016	13 x 35	0.8 x 30
DFFC-0.47	.47 mfd .0019	16 x 35	0.8 x 30