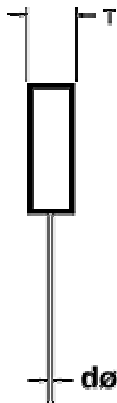
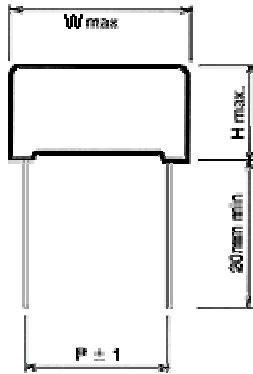


TAE

Film Capacitors



General Technical Data

Dielectric : polypropylene film.

Plates :metal layer deposited by evaporation under vacuum.

Winding :non-inductive type.

Leads : tinned wire.

Protection :plastic case, polyurethane resin filled. Box material is solvent resistant and flame retardant according to UL94 V0.

Marking : manufacturer's logo, series, capacitance, tolerance, rated voltage, capacitor class, dielectric code, climatic category, manufacturing date code, approvals, manufacturing plant.

Climatic category : GMF DIN 40040; 40/100/21/C

Operating temperature range : -40 to +100°C

Related documents : IEC 384-14 2nd edition '93;
EN132400 UL 1414, CSA C22.2 NO.1

Electrical Characteristics :

Climate Category : In accordance with DIN40040 GMF

A.)G = Minimum Limit Temperature-40°C

B.)M = Maximum Limit Temperature+100°C

C.)F = Humidity Category ...Average relative humidity \leq 75%, 95%, for 30 days per year, continuously; 85% for the remaining days, occasionally.

Rated Voltage : 50 - 60 Hz 275 VAC for VDE, SEV, SEMKO, NEMKO, DEMKO, FIMKO
250 VAC for UL, CSA.

Capacitance Range:0.0047 - 1.0 μ F

Capacitance Tolerance:J(\pm 5%), K(\pm 10%), M(\pm 20%)

Withstand Voltage : A. Between Terminals ...1200V AC.
60 Hz or 2100V DC 1s.
B. Between Terminals and Case.....2000V AC. 60Hz 60s

Dissipation Factor : A. \leq 0.1% at 1 KHz and 20°C
B. \leq 0.3% at 10KHz and 20°C

Insulation Resistance :

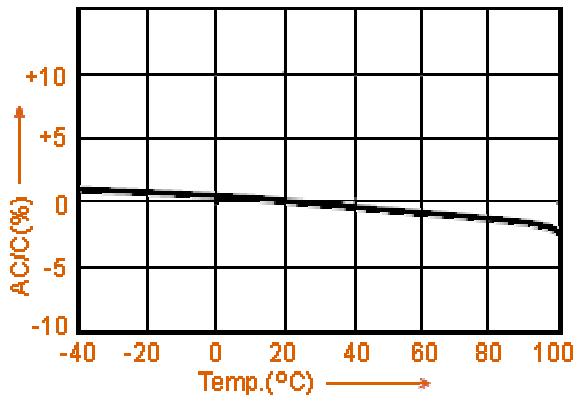
A. Between Terminals... \geq 3 x 10⁴ M Ω for C \leq 0.33 μ F
 \geq 1 x 10⁴ M Ω μ F for C > 0.33 μ F

B. Between Terminals and Case ... \geq 3 x 10⁴M Ω
Measured at 100 \pm 15V DC. 60s. and 20°C.

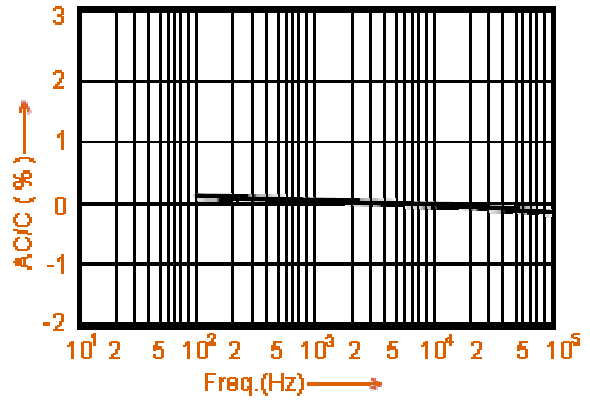
Capacitance	Rated-Voltage	Dimension(mm)				
μF	VAC	W	H	T	P	d _ø
0.0047	250/275	13.0	11.0	5.0	10.0	0.6
0.0056	250/275	13.0	11.0	5.0	10.0	0.6
0.0068	250/275	13.0	11.0	5.0	10.0	0.6
0.0082	250/275	13.0	11.0	5.0	10.0	0.6
0.01	250/275	13.0	11.0	5.0	10.0	0.6
0.01	250/275	18.0	11.0	5.0	15.0	0.8
0.012	250/275	18.0	11.0	5.0	15.0	0.8
0.015	250/275	18.0	11.0	5.0	15.0	0.8
0.018	250/275	18.0	11.0	5.0	15.0	0.8
0.022	250/275	18.0	11.0	5.0	15.0	0.8
0.027	250/275	18.0	11.0	5.0	15.0	0.8
0.033	250/275	18.0	11.0	5.0	15.0	0.8
0.039	250/275	18.0	11.0	5.0	15.0	0.8
0.047	250/275	18.0	11.0	5.0	15.0	0.8
0.056	250/275	18.0	11.0	5.0	15.0	0.8
0.068	250/275	18.0	11.0	5.0	15.0	0.8
0.082	250/275	18.0	12.0	6.0	15.0	0.8
0.1	250/275	18.0	12.0	6.0	15.0	0.8
0.12	250/275	18.0	13.5	7.5	15.0	0.8
0.15	250/275	18.0	14.5	8.5	15.0	0.8
0.22	250/275	18.0	16.0	10.0	15.0	0.8
0.22	250/275	26.5	16.5	7.0	22.5	0.8
0.27	250/275	26.5	17.0	8.5	22.5	0.8
0.33	250/275	26.5	17.0	8.5	22.5	0.8
0.39	250/275	26.5	19.0	10.0	22.5	0.8
0.47	250/275	26.5	19.0	10.0	22.5	0.8
0.47	250/275	32.0	20.0	11.0	27.5	0.8
0.56	250/275	32.0	20.0	11.0	27.5	0.8
0.68	250/275	32.0	20.0	11.0	27.5	0.8
0.82	250/275	32.0	22.0	13.0	27.5	0.8
1.0	250/275	32.0	22.0	13.0	27.5	0.8

Temperature and Frequency Characteristics

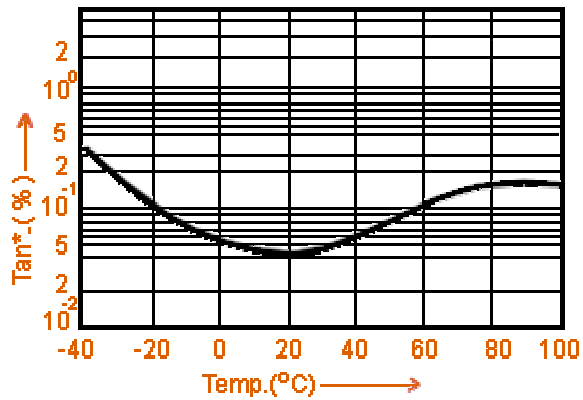
Capacitance Change vs.
Temperature(Typical Values)



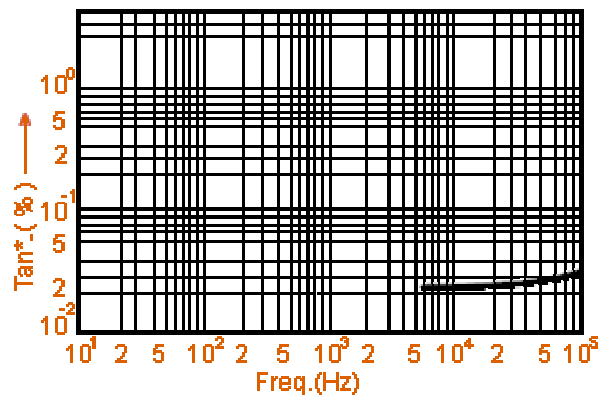
Capacitance Change vs.
Frequency(Typical Values)



Dissipation factor vs.
Temperature at 10k HZ(Typical Values)



Dissipation factor vs.
Frequency(Typical Values)



Insulation Resistance vs.
Temperature(Typical Values)

