TYPE MPX

Typical applications: interference suppression and across-the-line applications, suitable for use in situations where failure of the capacitor would not lead to danger of electric shock. This type especially is designed for radio interference suppression and across-the-line capacitors in:
A: Business machines appliances, such as typewriters, computer displays and monitors.
B: Household appliances, such as mixers, fans, coffee grinders, audio and TV circuits.
C: Thyristor and triac appliances, such as dimmers.

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 VO.
Marking: manufacturers 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℃
Related documents: IEC 384-14 2nd edition '93; EN 132400, UL 1414, CSA C22.2 NO.1

Electrical Characteristics

Climate Category: In accordance with DIN40M GMF
A.) G = Minimum Limit Temperature...-40℃
B.) M = Maximum Limit Temperature...+100℃
C.) F= Humidity Category. Average relative humidity ≤ 75%, 95%, for 30 days per year, continuously 85% for the remaining days, occasionally.
Rated Voltage: 50~60Hz
275V AC for VDE, SEV, SEMKO, NEMKO, DEMKO, FIMKO
250V AC for UL, CSA.
Capacitance Range: 0.0047-1.0 *u* F
Capacitance Tolerance: j (± 5%), K (± 10%), M (± 20%)
Withstand Voltage: A. Between Terminals 120OV AC 60Hz or 2100V DC 1s.
B. Between Terminals and Case 200OV AC 60Hz 60s.
Dissipation Factor: A≦0.1% at 1 KHz and 20℃
B≦0.3% at 10KHZ and 20℃
Insulation Resistance: A. Between Terminals...≧3 x 10^4MΩ for C≦0.33 μF
≦1 x 10^4MΩμ F for C > 0.33μ F
B. Between Terminals and Case…≧3 x 10^4MΩ
Measured at 100 ± 15V DC 60s and 20℃