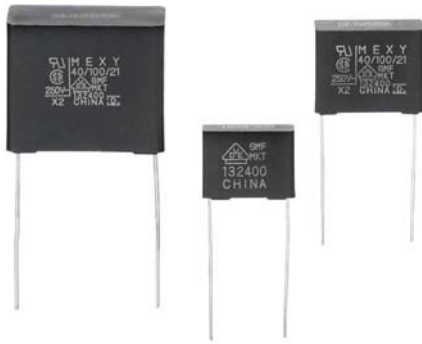


Type MEXY Class X2 and Y2/X2, Polyester Film Capacitors

**Metallized
Box Style, Vac Rated**

**Interference Suppression and
Across-the-line Vac Applications**



The Type MEXY metallized polyester class X2 and Y2/X2 film capacitors are ideal for across-the-line and line-to-ground interference suppression circuit applications. This product features the self-healing capabilities associated with metallized polyester, compact design and flame retardant construction meets UL 94V0.

Specifications

Voltage Range: 275 Vac/250 Vac, 60 Hz

Capacitance Range: 0.001 μF - 2.2 μF

Capacitance Tolerance: $\pm 10\%$ Std. $\pm 20\%$ Optl.

Operating Temperature Range: $-40\text{ }^{\circ}\text{C}$ to $100\text{ }^{\circ}\text{C}$

Dissipation Factor: 1.0% max. (20 $^{\circ}\text{C}$, 1kHz)

Insulation Resistance:

$C \leq 0.33\text{ }\mu\text{F}$: 15000 M Ω min. (20 $^{\circ}\text{C}$ 100 Vdc 60 s)

$C > 0.33\text{ }\mu\text{F}$: 5000 M Ω x μF min. (20 $^{\circ}\text{C}$ 500 Vdc 60 s)

2000 M Ω min. (20 $^{\circ}\text{C}$ 100 Vdc 60 s)

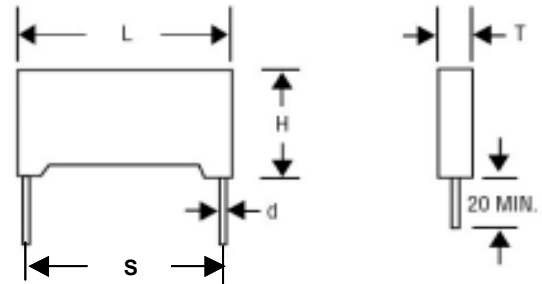
Dielectric Strength:

Between terminals: 575 Vac, 1768 Vdc 60 s

Between terminals: 1500 Vac, 2121 Vdc 60 s
(0.001 to 0.0068 μF)

Between terminals to enclosure: 2050 Vac 60 s

| Pulse Capability | | | | |
|------------------|--|---------|---------|---------|
| Body Length (L) | | | | |
| Rated AC Voltage | 15 mm | 17.5 mm | 25.5 mm | 30.5 mm |
| | dV/dt - volts per microsecond, maximum | | | |
| 275/250 | 118 | 62 | 33 | 29 |



Agency Approvals

RoHS Compliant

| Agency | Specification # | Agency/CDE File # | Application | Voltage | Capacitance Range |
|--------|----------------------|-------------------|---|---------|-------------------------------|
| UL | UL 1414 | E171988 | Across-the-line Capacitors | 250 Vac | .001 to 1.0 μF |
| | UL 1283 (4th Ed) | E223166 | Antenna-coupling and Line-bypass Capacitors | 250 Vac | .001 to 1.0 μF |
| CSA | UL 1283 (4th Ed) | E223166 | Electromagnetic Interference (EMI) Filters | 250 Vac | 1.2 to 2.2 μF |
| | CSA C22.2 No. 1-94 | 218093 | Across-the-line Capacitors | 250 Vac | .001 to 1.0 μF |
| | CSA C22.2 No.8-M1986 | 218095 | Antenna-isolation and Line-by-pass Capacitors | | |
| VDE | IEC60384-14, 1993 | 40004840 | Class Y2/X2 | 275 Vac | 0.001 to 0.0068 μF |
| | EN132400 | | Class X2 | 275 Vac | 0.0082 to 2.2 μF |

Type MEXY Class X2 and Y2/X2, Polyester Film Capacitors

Ratings

RoHS Compliant

| Cap. (μ F) | Catalog Part Number | T ± 0.020 (0.5) (inches) (mm) | | H ± 0.020 (0.5) (inches) (mm) | | L $\pm .020$ (0.5) (inches) (mm) | | S $\pm .015$ (0.4) (inches) (mm) | | d (inches) (mm) | |
|--|------------------------|---|--------|---|--------|--|--------|--|--------|--------------------|--------|
| 275 Vac (IEC384 - 14) 250Vac (UL/CSA) | | | | | | | | | | | |
| 0.0010 | MEXY2A102K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0012 | MEXY2A122K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0015 | MEXY2A152K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0018 | MEXY2A182K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0022 | MEXY2A222K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0027 | MEXY2A272K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0033 | MEXY2A332K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0039 | MEXY2A392K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0047 | MEXY2A472K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0056 | MEXY2A562K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0068 | MEXY2A682K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.0082 | MEXY2A822K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.010 | MEXY2A103K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.012 | MEXY2A123K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.015 | MEXY2A153K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.018 | MEXY2A183K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.022 | MEXY2A223K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.027 | MEXY2A273K | 0.197 | (5.0) | 0.453 | (11.5) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.033 | MEXY2A333K | 0.236 | (6.0) | 0.512 | (13.0) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.039 | MEXY2A393K | 0.236 | (6.0) | 0.512 | (13.0) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.047 | MEXY2A473K | 0.236 | (6.0) | 0.512 | (13.0) | 0.591 | (15.0) | 0.492 | (12.5) | 0.024 | (0.60) |
| 0.056 | MEXY2A563K | 0.177 | (4.5) | 0.453 | (11.5) | 0.689 | (17.5) | 0.591 | (15.0) | 0.024 | (0.60) |
| 0.068 | MEXY2A683K | 0.177 | (4.5) | 0.453 | (11.5) | 0.689 | (17.5) | 0.591 | (15.0) | 0.024 | (0.60) |
| 0.082 | MEXY2A823K | 0.217 | (5.5) | 0.472 | (12.0) | 0.689 | (17.5) | 0.591 | (15.0) | 0.024 | (0.60) |
| 0.100 | MEXY2A104K | 0.217 | (5.5) | 0.472 | (12.0) | 0.689 | (17.5) | 0.591 | (15.0) | 0.024 | (0.60) |
| 0.120 | MEXY2A124K | 0.256 | (6.5) | 0.571 | (14.5) | 0.689 | (17.5) | 0.591 | (15.0) | 0.024 | (0.60) |
| 0.150 | MEXY2A154K | 0.256 | (6.5) | 0.571 | (14.5) | 0.689 | (17.5) | 0.591 | (15.0) | 0.024 | (0.60) |
| 0.180 | MEXY2A184K | 0.315 | (8.0) | 0.630 | (16.0) | 0.689 | (17.5) | 0.591 | (15.0) | 0.024 | (0.60) |
| 0.220 | MEXY2A224K | 0.315 | (8.0) | 0.630 | (16.0) | 0.689 | (17.5) | 0.591 | (15.0) | 0.024 | (0.60) |
| 0.270 | MEXY2A274K | 0.374 | (9.5) | 0.693 | (17.5) | 0.689 | (17.5) | 0.591 | (15.0) | 0.031 | (0.80) |
| 0.330 | MEXY2A334K | 0.374 | (9.5) | 0.693 | (17.5) | 0.689 | (17.5) | 0.591 | (15.0) | 0.031 | (0.80) |
| 0.390 | MEXY2A394K | 0.335 | (8.5) | 0.693 | (17.5) | 1.004 | (25.5) | 0.886 | (22.5) | 0.031 | (0.80) |
| 0.470 | MEXY2A474K | 0.335 | (8.5) | 0.693 | (17.5) | 1.004 | (25.5) | 0.886 | (22.5) | 0.031 | (0.80) |
| 0.560 | MEXY2A564K | 0.413 | (10.5) | 0.768 | (19.5) | 1.004 | (25.5) | 0.886 | (22.5) | 0.031 | (0.80) |
| 0.680 | MEXY2A684K | 0.413 | (10.5) | 0.768 | (19.5) | 1.004 | (25.5) | 0.886 | (22.5) | 0.031 | (0.80) |
| 0.820 | MEXY2A824K | 0.472 | (12.0) | 0.866 | (22.0) | 1.004 | (25.5) | 0.886 | (22.5) | 0.031 | (0.80) |
| 1.000 | MEXY2A105K | 0.472 | (12.0) | 0.866 | (22.0) | 1.004 | (25.5) | 0.886 | (22.5) | 0.031 | (0.80) |
| 1.200 | MEXY2A125K | 0.650 | (16.5) | 1.024 | (26.0) | 1.201 | (30.5) | 1.083 | (27.5) | 0.031 | (0.80) |
| 1.500 | MEXY2A155K | 0.650 | (16.5) | 1.024 | (26.0) | 1.201 | (30.5) | 1.083 | (27.5) | 0.031 | (0.80) |
| 1.800 | MEXY2A185K | 0.748 | (19.0) | 1.161 | (29.5) | 1.201 | (30.5) | 1.083 | (27.5) | 0.031 | (0.80) |
| 2.200 | MEXY2A225K | 0.748 | (19.0) | 1.161 | (29.5) | 1.201 | (30.5) | 1.083 | (27.5) | 0.031 | (0.80) |

Discontinued - See 150X or MEX series as possible substitute