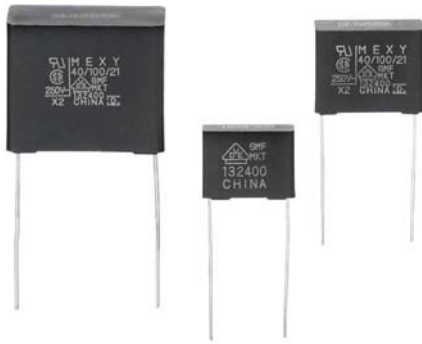


# Type MEXY Class X2 and Y2/X2, Polyester Film Capacitors

**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  $\mu\text{F}$  - 2.2  $\mu\text{F}$

**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. ( $20\text{ }^{\circ}\text{C}$ , 1kHz)

**Insulation Resistance:**

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

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

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

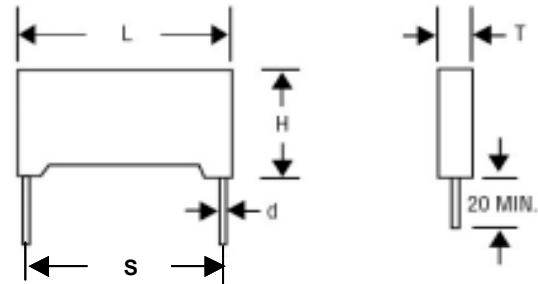
**Dielectric Strength:**

Between terminals: 575 Vac, 1768 Vdc 60 s

Between terminals: 1500 Vac, 2121 Vdc 60 s  
(0.001 to 0.0068  $\mu\text{F}$ )

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 $\mu\text{F}$
	UL 1283 (4th Ed)	E223166	Antenna-coupling and Line-bypass Capacitors	250 Vac	.001 to 1.0 $\mu\text{F}$
			Electromagnetic Interference (EMI) Filters	250 Vac	1.2 to 2.2 $\mu\text{F}$
CSA	CSA C22.2 No. 1-94	218093	Across-the-line Capacitors	250 Vac	.001 to 1.0 $\mu\text{F}$
			Antenna-isolation and Line-by-pass Capacitors		
	CSA C22.2 No.8-M1986	218095	Electromagnetic Interference (EMI) Filters	250 Vac	1.2 to 2.2 $\mu\text{F}$
VDE	IEC60384-14, 1993	40004840	Class Y2/X2	275 Vac	0.001 to 0.0068 $\mu\text{F}$
	EN132400		Class X2	275 Vac	0.0082 to 2.2 $\mu\text{F}$

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

Ratings

RoHS Compliant

Cap. ( $\mu$ F)	Catalog Part Number	T $\pm 0.020$ (0.5) (inches) (mm)		H $\pm 0.020$ (0.5) (inches) (mm)		L $\pm .020$ (0.5) (inches) (mm)		S $\pm .015$ (0.4) (inches) (mm)		d (inches) (mm)	
<b>275 Vac (IEC384 - 14) 250Vac (UL/CSA)</b>											
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