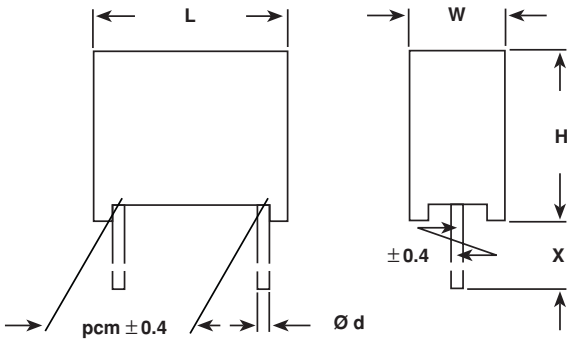
AC-Capacitors, Suppression Capacitors
Class Y2 (X1) AC 305V (MKT)

LEAD LENGTH (X) (mm)	Code Pos.11	ORDERING CODE** (see page 49 - Document No. 26511) 1-4	5-7	8	9	10	11-13
4^{-1}	B	1710	...	.	3	.	B . 0
6^{-1}	C	1710	...	.	3	.	C . 0
15^{-1}	D	1710	...	.	3	.	D . 0
30^{+5}	L	1710	...	.	3	.	L . 0

pcm (mm)	Pitch Code Pos. 10	Terminal Ød (mm)
10	D	0.6
> 10	F, I or K	0.8

Dimensions in mm



REFERENCE STANDARDS:
EN/IEC 60068; IEC 60384-14/2 1993/07
UL 1414; CSA C22 2 No. 1-M 1994

DIELECTRIC: Polyester film

ELECTRODES: Metal evaporated

RATED VOLTAGE: AC305V; 50/60Hz

PERMISSABLE DC VOLTAGE: DC1000V

CAPACITANCE RANGE: E12 series 1000pFY2 -0.1µFY2(X1) preferred values acc. to E6

CAPACITANCE TOLERANCE:
Standard ± 20%; on request ± 10% and ± 5%

TERMINALS:
Radial tinned copper wire

COATING: Plastic case, epoxy resin sealed, flame retardant; UL 94V-0

CLIMATIC TESTING CLASS ACC. TO EN/IEC 60068-1: 40/100/56

TEST VOLTAGE:
(Electrode/electrode): DC 5000V for 1 sec. at 25°C;
Between interconnected terminations and case (foil method); AC 2500V for 2 sec. at 25°C

DISSIPATION FACTOR TAN δ: < 1% measured at 1kHz

INSULATION RESISTANCE:
30 GΩ average value
15 GΩ average value

FURTHER TECHNICAL DATA:
See page 71 (Document Number 26525)

MAXIMUM PULSE RISE TIME: (du/dt) in V/µs			
RATED VOLTAGE	PITCH (mm) 10.0/15.0	22.5	27.5
AC 305V	200	150	100

CAPACITANCE Code Pos 5-7 (as class Y2 and X1)	TOLERANCE Code Pos 8 J = ±5% K = ±10% M = ±20%	PITCH (mm)	Code Pos. 10	BOX NO	DIMENSIONS W x H x L (mm)+0.2 / -0.4mm	WEIGHT (Lead Length 6^{-1}mm) (g)	QUANTITY PACKAGE (Lead Length ≤6^{-1}mm) (pcs)*	ORDERING CODE** TYPE 1-4	C-Value 5-7	Tolerance 8	Voltage 9	Pitch 10	Lead Length Design 11-13
1000 pF	M	10.0	D	32	3.8 x 8.8 x 12.8	0.6	1500	1710	210	M	3	D	. B0
1200 pF	M	10.0	D	32	3.8 x 8.8 x 12.8	0.6	1500	1710	212	M	3	D	. B0
1500 pF	M	10.0	D	32	3.8 x 8.8 x 12.8	0.6	1500	1710	215	M	3	D	. B0
1800 pF	M	10.0	D	32	3.8 x 8.8 x 12.8	0.6	1500	1710	218	M	3	D	. B0
2200 pF	M	10.0	D	02	4.3 x 9.3 x 12.8	0.8	1250	1710	222	M	3	D	. B0
2700 pF	M	10.0	D	03	5.3 x 10.3 x 12.8	1.0	1000	1710	227	M	3	D	. B0
3300 pF	M	10.0	D	03	5.3 x 10.3 x 12.8	1.0	1000	1710	233	M	3	D	. B0
3900 pF	M	10.0	D	03	5.3 x 10.3 x 12.8	1.0	1000	1710	239	M	3	D	. B0
4700 pF	M	10.0	D	03	5.3 x 10.3 x 12.8	1.0	1000	1710	247	M	3	D	. B0
5600 pF	M	10.0	D	04	6.3 x 11.3 x 12.8	1.3	750	1710	256	M	3	D	. B0
6800 pF	M	10.0	D	04	6.3 x 11.3 x 12.8	1.3	750	1710	268	M	3	D	. B0
8200 pF	M	10.0	D	04	6.3 x 11.3 x 12.8	1.3	750	1710	282	M	3	D	. B0
0.010 µF	M	10.0	D	04	6.3 x 12.3 x 12.8	1.3	750	1710	310	M	3	D	. B0

* Further information about packaging quantities with different lead length and/or taped versions.
See page 16 (Document No 27608 Pacaging Quantities). Use Box No. as reference

** These capacitors can be delivered on continuous tape and reel see page 14/15 (Document Number 26526)
Ordering example: 1710-210 M 2 D CB0 B0 = Bulk Pack T0 = Tray/Pallet

CAPACITANCE Code Pos 5-7 (as class Y2 and X1)	TOLERANCE Code Pos 8 J = ±5% K = ±10% M = ±20%	PITCH (mm)	Code Pos. 10	BOX NO	DIMENSIONS W x H x L (mm)+ 0.2 / - 0.4mm	WEIGHT (Lead Length 6-1mm) (g)	QUANTITY PACKAGE (Lead Length ≤6-1mm) (pcs)*	ORDERING CODE** TYPE 1-4	C-Value 5-7	Tolerance 8	Voltage 9	Pitch 10	Lead Length Design Design 11-13
1000 pF	**M**	**15**	**F**	**05**	**5.3 x 10.3 x 17.8**	**1.4**	**750**	**1710**	**210**	**M**	**3**	**F**	**. B0**
1200 pF	M	15	F	05	5.3 x 10.3 x 17.8	1.4	750	1710	212	M	3	F	. B0
1500 pF	**M**	**15**	**F**	**05**	**5.3 x 10.3 x 17.8**	**1.4**	**750**	**1710**	**215**	**M**	**3**	**F**	**. B0**
1800 pF	M	15	F	05	5.3 x 10.3 x 17.8	1.4	750	1710	218	M	3	F	. B0
2200 pF	**M**	**15**	**F**	**05**	**5.3 x 10.3 x 17.8**	**1.4**	**750**	**1710**	**222**	**M**	**3**	**F**	**. B0**
2700 pF	M	15	F	05	5.3 x 10.3 x 17.8	1.4	750	1710	227	M	3	F	. B0
3300 pF	**M**	**15**	**F**	**05**	**5.3 x 10.3 x 17.8**	**1.4**	**750**	**1710**	**233**	**M**	**3**	**F**	**. B0**
3900 pF	M	15	F	05	5.3 x 10.3 x 17.8	1.4	750	1710	239	M	3	F	. B0
4700 pF	**M**	**15**	**F**	**05**	**5.3 x 10.3 x 17.8**	**1.4**	**750**	**1710**	**247**	**M**	**3**	**F**	**. B0**
5600 pF	M	15	F	05	5.3 x 10.3 x 17.8	1.4	750	1710	256	M	3	F	. B0
6800 pF	**M**	**15**	**F**	**05**	**5.3 x 10.3 x 17.8**	**1.4**	**750**	**1710**	**268**	**M**	**3**	**F**	**. B0**
8200 pF	M	15	F	06	6.3 x 12.3 x 17.8	2.0	500	1710	282	M	3	F	. B0
0.01 µF	**M**	**15**	**F**	**06**	**6.3 x 12.3 x 17.8**	**2.0**	**500**	**1710**	**310**	**M**	**3**	**F**	**. B0**
0.012 µF	M	15	F	07	7.3 x 13.3 x 17.8	2.4	450	1710	312	M	3	F	. B0
0.015 µF	**M**	**15**	**F**	**07**	**7.3 x 13.3 x 17.8**	**2.4**	**450**	**1710**	**315**	**M**	**3**	**F**	**. B0**
0.018 µF	M	15	F	28	8.3 x 17.3 x 17.8	3.4	300	1710	318	M	3	F	. B0
0.022 µF	**M**	**15**	**F**	**28**	**8.3 x 17.3 x 17.8**	**3.4**	**300**	**1710**	**322**	**M**	**3**	**F**	**. B0**
0.027 µF	M	22.5	I	09	6.3 x 14.3 x 26.3	3.5	260	1710	327	M	3	I	. . 0
0.033 µF	**M**	**22.5**	**I**	**09**	**6.3 x 14.3 x 26.3**	**3.5**	**260**	**1710**	**333**	**M**	**3**	**I**	**. . 0**
0.039 µF	M	22.5	I	11	7.3 x 15.3 x 26.3	3.9	235	1710	339	M	3	I	. . 0
0.047 µF	**M**	**22.5**	**I**	**12**	**8.3 x 16.3 x 26.3**	**4.8**	**200**	**1710**	**347**	**M**	**3**	**I**	**. . 0**
0.056 µF	M	22.5	I	13	10.3 x 18.3 x 26.3	6.6	170	1710	356	M	3	I	. . 0
0.068 µF	**M**	**22.5**	**I**	**13**	**10.3 x 18.3 x 26.3**	**6.6**	**170**	**1710**	**368**	**M**	**3**	**I**	**. . 0**
0.082 µF	M	27.5	K	14	11.0 x 20.3 x 31.3	9.4	125	1710	382	M	3	I	. . 0
0.1 µF	**M**	**27.5**	**K**	**14**	**11.0 x 20.3 x 31.3**	**9.4**	**125**	**1710**	**410**	**M**	**3**	**I**	**. . 0**

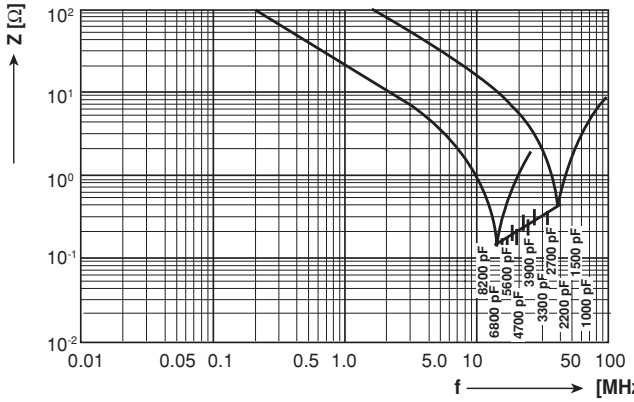
Preferred values in bold print.

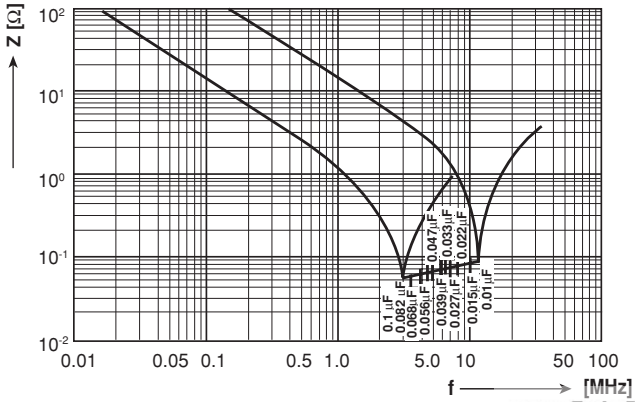
* Further information about packaging quantities with different leadlength and/or taped versions.
See page 16 (Document No 27608 Packing Quantities). Use Box No as reference

**These capacitors can be delivered on continuous tape and reel see page 14/15 (Document Number 26535)
The ordering code is then: F1710 - . . . M 3 . 0R0 at H = 16.5mm, F1710 - . . . M 3 . 0W0 at H = 18.5mm.

APPROVALS

COUNTRY	SPECIFICATION	ELECTRICAL VALUES	APPROVAL REFERENCE	APPROVAL MARK
U.S.A (for AC 250V)	UL 1283 UL 1414	1000pFY - 0.1µFY 1000pFY - 0.1µFY	E 76297 E 100682	
Canada (for AC 250V)	C 22.2 No. 1-M 1994	1000pFY - 0.1µFY	LR 64546-7	
CB TEST-CERTIFICATE (for AC 305V)		1000pF - 0.1µFY2 (X1)	DE 1-10088	
Germany (for AC 305V)	EN 132 400, 1999-06 IEC 60384-14, 2nd edition, 1995-06	1000pF - 0.1µFY2 (X1)	136954L	





Impedance (Z) as a function of frequency (f) at T_a = 20°C (average). Measurement with lead length 6mm.