

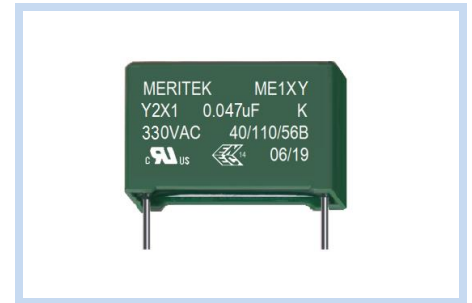
EMI Suppression Capacitors X1/Y2 Class 330VAC

ME1XY-33 Series

MERITEK

FEATURE

- Self-Healing Property
- Dielectric: Metallized Polypropylene Film
- Winding: Non-Inductive Type
- Over Voltage Stress Withstanding
- Flammability Classification 94V-0
- UL/cUL Safety Approved: Certification No: E197475



PART NUMBERING SYSTEM

ME1XY 223 K 33 xxx
(1) (2) (3) (4) (5)



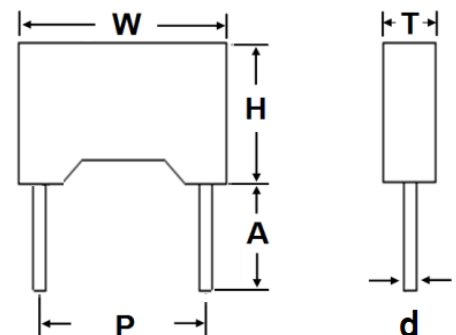
No	Item	Digit	Description	Reference
(1)	Meritek Series	ME1XY	EMI Suppression Capacitors	X1/Y2 Class Safety Film Capacitor
(2)	Capacitance	223	223: 22000pF	First two digits: Significant, Third: Multiplier
(3)	Tolerance	K	K: ±10%	I: ±3%; J: ±5%; M: ±20%
(4)	Rated Voltage	33	33: 330VAC	at 50~60Hz
(5)	Internal Code	xxx	Pitch or Internal control code	Internal Control or project reference

SPECIFICATIONS

Item	Characteristic	
Operating Temperature Range	-40°C ~ +110°C	
Rated Voltage, Climate Category	330VAC at 50~60Hz,	40/110/56/B
Capacitance, Tolerance	0.00047μF ~ 4.7μF	±3% (I), ±5% (J), ±10% (K), ±20% (M)
Dissipation Factor (tan δ)	≤0.1%	at 1KHz ±2%, ≤1.0V _{RMS}
Insulation resistance Change Time: 60s ±5s	≥ 15,000MΩ (C≤0.33μF)	≥ 5,000MΩ*μF/C (C>0.33μF)
Withstanding Voltage	Between Terminals	Between Terminals and Case
	2KV _{AC} for 2s, or 4KV _{DC} for 2s	2*Ur+1.5KV _{AC} for 2~5s, Min 2KV _{AC}

DIMENSION

P (mm)	d (mm)	W, H, T (mm)
7.5	0.6	See Table Attached
10.0	0.6	
15.0	0.6	
22.5	0.8	
27.5	0.8	
32.5	0.8	
37.5	1.0	
47.5	1.0	
51.5	1.0	



Note:

1. Standard lead length A: 15mm min.
2. Contact Meritek for other available options for lead forming or assembly

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ELECTRICAL SPECIFICATION – 330VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
ME1XY471□3375	471	0.00047	I,J,K,M	330	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
ME1XY471□3310	471	0.00047	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY471□3315	471	0.00047	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY561□3375	561	0.00056	I,J,K,M	330	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
ME1XY561□3310	561	0.00056	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY561□3315	561	0.00056	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY681□3375	681	0.00068	I,J,K,M	330	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
ME1XY681□3310	681	0.00068	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY681□3315	681	0.00068	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY821□3375	821	0.00082	I,J,K,M	330	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
ME1XY821□3310	821	0.00082	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY821□3315	821	0.00082	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY102□3375	102	0.0010	I,J,K,M	330	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
ME1XY102□3310A	102	0.0010	I,J,K,M	330	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
ME1XY102□3310B	102	0.0010	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY102□3315	102	0.0010	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY122□3375	122	0.0012	I,J,K,M	330	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
ME1XY122□3310A	122	0.0012	I,J,K,M	330	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
ME1XY122□3310B	122	0.0012	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY152□3375	152	0.0015	I,J,K,M	330	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
ME1XY152□3310A	152	0.0015	I,J,K,M	330	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
ME1XY152□3310B	152	0.0015	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY152□3315	152	0.0015	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY182□3375	182	0.0018	I,J,K,M	330	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
ME1XY182□3310A	182	0.0018	I,J,K,M	330	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
ME1XY182□3310B	182	0.0018	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY222□3375A	222	0.0022	I,J,K,M	330	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
ME1XY222□3375B	222	0.0022	I,J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
ME1XY222□3310A	222	0.0022	I,J,K,M	330	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
ME1XY222□3310B	222	0.0022	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY222□3315A	222	0.0022	I,J,K,M	330	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY222□3315B	222	0.0022	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY222□3375A	222	0.0027	I,J,K,M	330	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
ME1XY272□3375B	272	0.0027	I,J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
ME1XY272□3310A	272	0.0027	I,J,K,M	330	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC

Note: 1. □: denotes tolerance code

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ME1XY-33 Series

MERITEK

ELECTRICAL SPECIFICATION – 330VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
ME1XY272□3310B	272	0.0027	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY272□3315A	272	0.0027	I,J,K,M	330	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY272□3315B	272	0.0027	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY332□3375	332	0.0033	I,J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
ME1XY332□3310A	332	0.0033	I,J,K,M	330	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
ME1XY332□3310B	332	0.0033	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY332□3315A	332	0.0033	I,J,K,M	330	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY332□3315B	332	0.0033	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY392□3375	392	0.0039	I,J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
ME1XY392□3310A	392	0.0039	I,J,K,M	330	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
ME1XY392□3310B	392	0.0039	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY392□3315A	392	0.0039	I,J,K,M	330	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY392□3315B	392	0.0039	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY472□3375	472	0.0047	I,J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
ME1XY472□3310	472	0.0047	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY472□3315A	472	0.0047	I,J,K,M	330	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY472□3315B	472	0.0047	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY562□3375	562	0.0056	I,J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
ME1XY562□3310	562	0.0056	I,J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
ME1XY562□3315A	562	0.0056	I,J,K,M	330	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY562□3315B	562	0.0056	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY682□3310	682	0.0068	I,J,K,M	330	13.0	12.0	6.0	10.0	0.6	UL,cUL,ENEC
ME1XY682□3315A	682	0.0068	I,J,K,M	330	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY682□3315B	682	0.0068	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY822□3310	822	0.0082	I,J,K,M	330	13.0	12.0	6.0	10.0	0.6	UL,cUL,ENEC
ME1XY822□3315A	822	0.0082	I,J,K,M	330	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY822□3315B	822	0.0082	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY103□3310	103	0.010	I,J,K,M	330	13.0	12.0	6.0	10.0	0.6	UL,cUL,ENEC
ME1XY103□3315A	103	0.010	I,J,K,M	330	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY103□3315B	103	0.010	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY123□3310	123	0.012	I,J,K,M	330	13.0	12.0	6.0	10.0	0.6	UL,cUL,ENEC
ME1XY123□3315	123	0.012	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY153□3310	153	0.015	I,J,K,M	330	13.0	12.0	6.0	10.0	0.6	UL,cUL,ENEC
ME1XY153□3315	153	0.015	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
ME1XY183□3315	183	0.018	I,J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC

Note: 1. □: denotes tolerance code

EMI Suppression Capacitors X1/Y2 Class 330VAC

ME1XY-33 Series

MERITEK

ELECTRICAL SPECIFICATION – 330VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
ME1XY223□3310	223	0.022	I,J,K,M	330	13.0	13.0	7.0	10.0	0.6	UL,cUL,ENEC
ME1XY223□3315	223	0.022	I,J,K,M	330	17.5	11.0	5.5	15.0	0.6	UL,cUL,ENEC
ME1XY253□3315	253	0.025	I,J,K,M	330	18.0	12.0	6.0	15.0	0.6	UL,cUL,ENEC
ME1XY273□3310	273	0.027	I,J,K,M	330	13.0	14.0	8.0	10.0	0.6	UL,cUL,ENEC
ME1XY273□3315A	273	0.027	I,J,K,M	330	17.5	11.0	5.5	15.0	0.6	UL,cUL,ENEC
ME1XY273□3315B	273	0.027	I,J,K,M	330	18.0	12.0	6.0	15.0	0.6	UL,cUL,ENEC
ME1XY333□3310	333	0.033	I,J,K,M	330	13.0	14.0	8.0	10.0	0.6	UL,cUL,ENEC
ME1XY333□3315	333	0.033	I,J,K,M	330	18.0	12.0	6.0	15.0	0.6	UL,cUL,ENEC
ME1XY333□3322	333	0.033	I,J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL,cUL,ENEC
ME1XY393□3315	393	0.039	I,J,K,M	330	18.0	13.5	6.0	15.0	0.6	UL,cUL,ENEC
ME1XY393□3322	393	0.039	I,J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL,cUL,ENEC
ME1XY473□3315	473	0.047	I,J,K,M	330	18.0	13.5	6.0	15.0	0.6	UL,cUL,ENEC
ME1XY473□3322	473	0.047	I,J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL,cUL,ENEC
ME1XY563□3315	563	0.056	I,J,K,M	330	17.0	15.5	7.5	15.0	0.6	UL,cUL,ENEC
ME1XY563□3322	563	0.056	I,J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL,cUL,ENEC
ME1XY683□3315	683	0.068	I,J,K,M	330	17.0	15.5	7.5	15.0	0.6	UL,cUL,ENEC
ME1XY683□3322A	683	0.068	M	330	25.0	14.5	6.0	22.5	0.8	UL,cUL,ENEC
ME1XY683□3322B	683	0.068	I,J,K,M	330	26.5	16.5	7.0	22.5	0.8	UL,cUL,ENEC
ME1XY823□3315	823	0.082	I,J,K,M	330	17.0	16.5	9.5	15.0	0.6	UL,cUL,ENEC
ME1XY823□3322	823	0.082	I,J,K,M	330	26.5	16.5	7.0	22.5	0.8	UL,cUL,ENEC
ME1XY104□3315	104	0.10	I,J,K,M	330	17.0	16.5	9.5	15.0	0.6	UL,cUL,ENEC
ME1XY104□3322A	104	0.10	I,J,K,M	330	26.5	16.5	7.0	22.5	0.8	UL,cUL,ENEC
ME1XY104□3322B	104	0.10	I,J,K,M	330	26.5	29.5	14.5	22.5	0.8	UL,cUL,ENEC
ME1XY104□3327	104	0.10	I,J,K,M	330	31.5	16.5	7.5	27.5	0.8	UL,cUL,ENEC
ME1XY124□3322	124	0.12	I,J,K,M	330	26.5	17.0	8.5	22.5	0.8	UL,cUL,ENEC
ME1XY124□3327	124	0.12	I,J,K,M	330	31.0	18.0	9.0	27.5	0.8	UL,cUL,ENEC
ME1XY154□3322	154	0.15	I,J,K,M	330	26.5	19.0	10.0	22.5	0.8	UL,cUL,ENEC
ME1XY154□3327A	154	0.15	I,J,K,M	330	31.0	18.0	9.0	27.5	0.8	UL,cUL,ENEC
ME1XY154□3327B	154	0.15	I,J,K,M	330	32.0	12.0	18.0	27.5	0.8	UL,cUL,ENEC
ME1XY184□3322	184	0.18	I,J,K,M	330	26.0	20.0	11.0	22.5	0.8	UL,cUL,ENEC
ME1XY184□3327	184	0.18	I,J,K,M	330	31.5	20.0	11.0	27.5	0.8	UL,cUL,ENEC
ME1XY224□3322	224	0.22	I,J,K,M	330	26.5	21.5	12.0	22.5	0.8	UL,cUL,ENEC
ME1XY224□3327A	224	0.22	I,J,K,M	330	30.0	21.0	12.0	27.5	0.8	UL,cUL,ENEC
ME1XY224□3327B	224	0.22	I,J,K,M	330	31.5	20.0	11.0	27.5	0.8	UL,cUL,ENEC
ME1XY224□3327C	224	0.22	M	330	32.0	12.0	18.0	27.5	0.8	UL,cUL,ENEC

Note: 1. □: denotes tolerance code

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ME1XY-33 Series

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ELECTRICAL SPECIFICATION – 330VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
ME1XY274□3322	274	0.27	I,J,K,M	330	26.5	22.5	12.5	22.5	0.8	UL,cUL,ENEC
ME1XY274□3327A	274	0.27	M	330	31.5	20.0	11.0	27.5	0.8	UL,cUL,ENEC
ME1XY274□3327B	274	0.27	I,J,K,M	330	31.5	22.5	13.0	27.5	0.8	UL,cUL,ENEC
ME1XY334□3322A	334	0.33	I,J,K,M	330	26.0	25.0	15.0	22.5	0.8	UL,cUL,ENEC
ME1XY334□3322B	334	0.33	I,J,K,M	330	26.5	29.5	14.5	22.5	0.8	UL,cUL,ENEC
ME1XY334□3327A	334	0.33	I,J,K,M	330	31.0	24.5	15.0	27.5	0.8	UL,cUL,ENEC
ME1XY334□3327B	334	0.33	M	330	31.5	22.5	13.0	27.5	0.8	UL,cUL,ENEC
ME1XY334□3327C	334	0.33	I,J,K,M	330	31.5	25.0	14.0	27.5	0.8	UL,cUL,ENEC
ME1XY334□3327D	334	0.33	M	330	32.0	12.0	22.0	27.5	0.8	UL,cUL,ENEC
ME1XY334□3332	334	0.33	I,J,K,M	330	37.0	24.0	13.5	32.5	0.8	UL,cUL,ENEC
ME1XY334□3337	334	0.33	I,J,K,M	330	41.5	22.0	12.0	37.5	1.0	UL,cUL,ENEC
ME1XY394□3322A	394	0.39	M	330	26.0	25.0	15.0	22.5	0.8	UL,cUL,ENEC
ME1XY394□3322B	394	0.39	M	330	26.5	29.5	14.5	22.5	0.8	UL,cUL,ENEC
ME1XY394□3327A	394	0.39	I,J,K,M	330	31.0	24.5	15.0	27.5	0.8	UL,cUL,ENEC
ME1XY394□3327B	394	0.39	I,J,K,M	330	32.0	28.0	14.0	27.5	0.8	UL,cUL,ENEC
ME1XY394□3332A	394	0.39	I,J,K,M	330	37.0	24.0	13.5	32.5	0.8	UL,cUL,ENEC
ME1XY394□3332B	394	0.39	M	330	37.0	24.0	13.5	32.5	0.8	UL,cUL,ENEC
ME1XY394□3337A	394	0.39	K	330	41.0	24.0	13.0	37.5	1.0	UL,cUL,ENEC
ME1XY394□3337B	394	0.39	M	330	41.5	22.0	12.0	37.5	1.0	UL,cUL,ENEC
ME1XY394□3337C	394	0.39	I,J,K,M	330	41.5	26.0	14.5	37.5	1.0	UL,cUL,ENEC
ME1XY474□3327A	474	0.47	M	330	31.0	24.5	15.0	27.5	0.8	UL,cUL,ENEC
ME1XY474□3327B	474	0.47	I,J,K,M	330	32.0	16.0	27.5	27.5	0.8	UL,cUL,ENEC
ME1XY474□3327C	474	0.47	I,J,K,M	330	32.0	28.0	18.0	27.5	0.8	UL,cUL,ENEC
ME1XY474□3327D	474	0.47	M	330	32.0	28.0	14.0	27.5	0.8	UL,cUL,ENEC
ME1XY474□3327E	474	0.47	I,J,K,M	330	32.0	30.0	15.0	27.5	0.8	UL,cUL,ENEC
ME1XY474□3332A	474	0.47	I,J,K,M	330	37.0	24.0	13.5	32.5	0.8	UL,cUL,ENEC
ME1XY474□3332B	474	0.47	I,J,K,M	330	37.0	26.5	16.0	32.5	0.8	UL,cUL,ENEC
ME1XY474□3337A	474	0.47	I,J,K,M	330	41.0	24.0	13.0	37.5	1.0	UL,cUL,ENEC
ME1XY474□3337B	474	0.47	I,J,K,M	330	41.5	26.0	14.5	37.5	1.0	UL,cUL,ENEC
ME1XY474□3337C	474	0.47	I,J,K,M	330	42.0	15.0	24.0	37.5	1.0	UL,cUL,ENEC
ME1XY564□3327A	564	0.56	I,J,K,M	330	32.0	28.0	18.0	27.5	0.8	UL,cUL,ENEC
ME1XY564□3327B	564	0.56	I,J,K,M	330	32.0	30.0	15.0	27.5	0.8	UL,cUL,ENEC
ME1XY564□3332A	564	0.56	I,J,K,M	330	37.0	26.5	16.0	32.5	0.8	UL,cUL,ENEC
ME1XY564□3332B	564	0.56	I,J,K,M	330	37.0	28.5	18.0	32.5	0.8	UL,cUL,ENEC
ME1XY564□3337A	564	0.56	I,J,K,M	330	41.5	26.0	14.5	37.5	1.0	UL,cUL,ENEC

Note: 1. □: denotes tolerance code

EMI Suppression Capacitors X1/Y2 Class 330VAC

ME1XY-33 Series

MERITEK

ELECTRICAL SPECIFICATION – 330VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
ME1XY564□3337B	564	0.56	I,J,K,M	330	42.0	28.0	14.0	37.5	1.0	UL,cUL,ENEC
ME1XY684□3327A	684	0.68	I,J,K,M	330	31.5	33.0	18.0	27.5	0.8	UL,cUL,ENEC
ME1XY684□3327B	684	0.68	I,J,K,M	330	32.0	18.5	31.0	27.5	0.8	UL,cUL,ENEC
ME1XY684□3327C	684	0.68	M	330	32.0	28.0	18.0	27.5	0.8	UL,cUL,ENEC
ME1XY684□3327D	684	0.68	I,J,K,M	330	32.0	30.0	21.0	27.5	0.8	UL,cUL,ENEC
ME1XY684□3332A	684	0.68	I,J,K,M	330	35.5	31.0	20.0	32.5	0.8	UL,cUL,ENEC
ME1XY684□3332B	684	0.68	M	330	37.0	26.5	16.0	32.5	0.8	UL,cUL,ENEC
ME1XY684□3332C	684	0.68	M	330	37.0	28.5	18.0	32.5	0.8	UL,cUL,ENEC
ME1XY684□3337A	684	0.68	M	330	41.5	26.0	14.5	37.5	1.0	UL,cUL,ENEC
ME1XY684□3337B	684	0.68	I,J,K,M	330	41.5	30.0	17.0	37.5	1.0	UL,cUL,ENEC
ME1XY684□3337C	684	0.68	M	330	42.0	28.0	14.0	37.5	1.0	UL,cUL,ENEC
ME1XY824□3327A	824	0.82	M	330	31.5	33.0	18.0	27.5	0.8	UL,cUL,ENEC
ME1XY824□3327B	824	0.82	M	330	32.0	18.5	31.0	27.5	0.8	UL,cUL,ENEC
ME1XY824□3327C	824	0.82	I,J,K,M	330	32.0	37.0	22.0	27.5	0.8	UL,cUL,ENEC
ME1XY824□3332A	824	0.82	I,J,K,M	330	35.5	31.0	20.0	32.5	0.8	UL,cUL,ENEC
ME1XY824□3332B	824	0.82	I,J,K,M	330	37.0	34.0	22.0	32.5	0.8	UL,cUL,ENEC
ME1XY824□3337A	824	0.82	I,J,K,M	330	41.5	30.0	17.0	37.5	1.0	UL,cUL,ENEC
ME1XY824□3337B	824	0.82	I,J,K,M	330	42.0	19.0	24.0	37.5	1.0	UL,cUL,ENEC
ME1XY105□3327	105	1.0	I,J,K,M	330	32.0	37.0	22.0	27.5	0.8	UL,cUL,ENEC
ME1XY105□3332A	105	1.0	I,J,K,M	330	37.0	34.0	22.0	32.5	0.8	UL,cUL,ENEC
ME1XY105□3332B	105	1.0	M	330	37.0	34.0	22.0	32.5	0.8	UL,cUL,ENEC
ME1XY105□3337A	105	1.0	I,J,K,M	330	41.0	37.0	22.0	37.5	1.0	UL,cUL,ENEC
ME1XY105□3337B	105	1.0	M	330	41.5	30.0	17.0	37.5	1.0	UL,cUL,ENEC
ME1XY105□3337C	105	1.0	M	330	41.5	32.0	19.0	37.5	1.0	UL,cUL,ENEC
ME1XY105□3337D	105	1.0	I,J,K,M	330	41.5	34.0	20.5	37.5	1.0	UL,cUL,ENEC
ME1XY105□3337E	105	1.0	I,J,K,M	330	41.5	35.5	22.5	37.5	1.0	UL,cUL,ENEC
ME1XY105□3347A	105	1.0	I,J,K,M	330	51.0	27.5	17.5	47.5	1.0	UL,cUL,ENEC
ME1XY105□3347B	105	1.0	I,J,K,M	330	51.0	30.5	20.0	47.5	1.0	UL,cUL,ENEC
ME1XY125□3337	125	1.2	I,J,K,M	330	41.5	35.5	22.5	37.5	1.0	UL,cUL,ENEC
ME1XY125□3347A	125	1.2	I,J,K,M	330	51.0	30.5	20.0	47.5	1.0	UL,cUL,ENEC
ME1XY125□3347B	125	1.2	I,J,K,M	330	51.0	34.0	22.0	47.5	1.0	UL,cUL,ENEC
ME1XY125□3351	125	1.2	I,J,K,M	330	58.0	30.0	20.5	51.5	1.0	UL,cUL,ENEC
ME1XY152□3337	152	1.5	I,J,K,M	330	41.5	41.0	27.5	37.5	1.0	UL,cUL,ENEC
ME1XY152□3347A	152	1.5	I,J,K,M	330	51.0	34.0	22.0	47.5	1.0	UL,cUL,ENEC
ME1XY152□3347B	152	1.5	I,J,K,M	330	51.0	35.0	24.0	47.5	1.0	UL,cUL,ENEC

Note: 1. □: denotes tolerance code

EMI Suppression Capacitors X1/Y2 Class 330VAC

ME1XY-33 Series

MERITEK

ELECTRICAL SPECIFICATION – 330VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
ME1XY152□3351	152	1.5	I,J,K,M	330	58.0	30.0	20.5	51.5	1.0	UL,cUL,ENEC
ME1XY185□3337A	185	1.8	I,J,K,M	330	41.5	43.0	28.0	37.5	1.0	UL,cUL,ENEC
ME1XY185□3337B	185	1.8	I,J,K,M	330	41.5	45.0	30.0	37.5	1.0	UL,cUL,ENEC
ME1XY185□3347A	185	1.8	I,J,K,M	330	51.0	35.0	24.0	47.5	1.0	UL,cUL,ENEC
ME1XY185□3347B	185	1.8	I,J,K,M	330	51.0	43.5	29.0	47.5	1.0	UL,cUL,ENEC
ME1XY185□3351	185	1.8	I,J,K,M	330	58.0	35.0	23.0	51.5	1.0	UL,cUL,ENEC
ME1XY205□3337	205	2.0	I,J,K,M	330	41.5	45.0	30.0	37.5	1.0	UL,cUL,ENEC
ME1XY205□3351	205	2.0	I,J,K,M	330	58.0	35.0	23.0	51.5	1.0	UL,cUL,ENEC
ME1XY225□3351	225	2.2	I,J,K,M	330	58.0	38.0	25.0	51.5	1.0	UL,cUL,ENEC
ME1XY255□3351	255	2.5	I,J,K,M	330	57.0	45.0	30.0	51.5	1.0	UL,cUL,ENEC
ME1XY275□3351	275	2.7	I,J,K,M	330	57.0	45.0	30.0	51.5	1.0	UL,cUL,ENEC
ME1XY305□3351	305	3.0	I,J,K,M	330	57.0	45.0	30.0	51.5	1.0	UL,cUL,ENEC
ME1XY335□3351A	335	3.3	I,J,K,M	330	57.0	30.0	44.0	51.5	1.0	UL,cUL,ENEC
ME1XY335□3351B	335	3.3	I,J,K,M	330	57.0	45.0	30.0	51.5	1.0	UL,cUL,ENEC
ME1XY395□3351	395	3.9	I,J,K,M	330	57.0	50.0	35.0	51.5	1.0	UL,cUL,ENEC
ME1XY475□3351A	475	4.7	I,J,K,M	330	57.0	50.0	35.0	51.5	1.0	UL,cUL,ENEC
ME1XY475□3351B	475	4.7	I,J,K,M	330	58.0	55.0	45.0	51.5	1.0	UL,cUL,ENEC
ME1XY475□3351C	475	4.7	I,J,K,M	330	58.0	56.5	43.0	51.5	1.0	UL,cUL,ENEC

Note: 1. □: denotes tolerance code

EMI Suppression Capacitors X1/Y2 Class 330VAC

ME1XY-33 Series

MERITEK

RELIABILTY AND TEST CONDITIONS

Item	Test Condition	Requirement																	
Capacitance	Measuring Frequency: $\pm 2\%$, Measuring Voltage: $\leq 1V_{rms}$.	Within the tolerance specified, at $+20\pm 5^{\circ}C$																	
Withstand Voltage - Between Terminals	Apply $2KV_{AC}$ for 2s or $4KV_{DC}$ for 2s	Within specified limits																	
Withstand Voltage - Between Terminals & Enclosure	Apply 2 times of rated voltage plus $1.5KV_{AC}$ for 2~5s; Min. $2KV_{AC}$	Within specified limits																	
Dissipation Factor	Measuring Frequency: $\pm 2\%$, Measuring Voltage: $\leq 1V_{rms}$.	D.F. : $\leq 0.001(0.1\%)$ at 1KHz																	
Insulation resistance	Measured at $VR=500V_{AC}$, $Vt=500V_{DC}$, $250V_{AC}\leq VR<500V_{AC}$, $Vt=500V_{DC}$; Charge Time: 60 ± 5 Sec	$Cr\leq 0.33\mu F$ $IR\geq 15,000M\Omega$ $Cr>0.33\mu F$ $IR\geq 5,000M\Omega*\mu F/C$																	
Solderability	Soldering temperature: $+235\pm 5^{\circ}C$ Immersion duration: 2 ± 0.5 sec	More than 90% of circumferential surface of lead wire shall be covered with new solder																	
Tensile Terminal Strength	Apply 1.0Kg (10N) for 10 ± 1 sec to the terminal in the axial direction and acting in a direction away from the body.	Shall be no abnormality																	
Bending Terminal Strength	Apply 0.5Kg for 2 cycles. Each cycle includes: 90° once, return to its initial position for 2~3s and then to the opposite direction once.	Shall be no abnormality																	
Damp Heat	Temperature: $+40^{\circ}C \pm 2^{\circ}C$, Relative Humidity: 90%~95% Time: 56days; After test, let rest for 1.5 ± 0.5 hr at ordinary condition before making measurements.	Appearance : No Visible Damage Withstand Voltage: Within specified limits $\Delta C/C: \leq \pm 5\%$ of the value before test DF: $\leq 0.002(0.2\%)$ Max at 1KHz IR: $\geq 50\%$ of the rated value																	
Dry Heat Resistance	Temperature: $110^{\circ}C \pm 2^{\circ}C$, Times: 16 +1/-0Hrs																		
Cold Resistance	Temperature: $-40\pm 3^{\circ}C$, Times: 2 ± 1 Hrs																		
Temperature Cycle	Test Temperature Cycle: Total 5 cycles. Each cycle includes <table border="1"> <thead> <tr> <th>Cycle</th> <th>Temperature</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>$+20\pm 2^{\circ}C$</td> <td>3 min</td> </tr> <tr> <td>2</td> <td>$-40\pm 3^{\circ}C$</td> <td>30min</td> </tr> <tr> <td>3</td> <td>$+20\pm 2^{\circ}C$</td> <td>3 min</td> </tr> <tr> <td>4</td> <td>$+110\pm 2^{\circ}C$</td> <td>30min</td> </tr> <tr> <td>5</td> <td>$+20\pm 2^{\circ}C$</td> <td>3 min</td> </tr> </tbody> </table> After test, let rest for 1.5 ± 0.5 hr at ordinary condition before making measurements.		Cycle	Temperature	Time	1	$+20\pm 2^{\circ}C$	3 min	2	$-40\pm 3^{\circ}C$	30min	3	$+20\pm 2^{\circ}C$	3 min	4	$+110\pm 2^{\circ}C$	30min	5	$+20\pm 2^{\circ}C$
Cycle	Temperature	Time																	
1	$+20\pm 2^{\circ}C$	3 min																	
2	$-40\pm 3^{\circ}C$	30min																	
3	$+20\pm 2^{\circ}C$	3 min																	
4	$+110\pm 2^{\circ}C$	30min																	
5	$+20\pm 2^{\circ}C$	3 min																	
Vibration Resistance	Frequency change: 10~55~10Hz Vibration Distance: 1.5mm Test Direction: X, Y, Z Test Duration: 2+1/-0hrs each direction	Appearance : No mechanical Damage Connection: Shall be no short or open																	
Soldering Heat Resistance	Preheat Temperature: $100\sim 120^{\circ}C$ Preheat Duration: 60sec max Temperature increase by $3^{\circ}C/sec$ max Soldering Temperature: $+260\pm 5^{\circ}C$ Immersion Duration: 5 ± 1 sec Immersion Depth: 4 ± 0.8 mm from roots After test, allow it stay alone for 1.5 ± 0.5 hrs at ordinary condition before making measurements	Appearance: No Visible Damage Withstand Voltage: Within specified limits $\Delta C/C: \leq \pm 3\%$ of the value before test DF: $\leq 0.002(0.2\%)$ Max at 1KHz IR: $\geq 50\%$ of the rated value																	

EMI Suppression Capacitors X1/Y2 Class 330VAC

ME1XY-33 Series

MERITEK

RELIABILTY AND TEST CONDITIONS

Item	Test Condition	Requirement
Endurance	Duration: 1,000 hours, Temperature: $+110\pm 2^{\circ}\text{C}$ Voltage: 1.25 times rated voltage. Once every hour the voltage increased to 1KVrms. For 0.1sec. The test voltage is applied to each capacitor individually through a Resistor of $47\Omega\pm 5\%$.	Appearance: No Visible Damage $\Delta C/C: \leq \pm 10\%$ of the value before test DF: ≤ 0.008 Max at 1KHz; for $Cr \leq 1\mu\text{F}$ DF: ≤ 0.005 Max at 1KHz; for $Cr > 1\mu\text{F}$ IR: $\geq 50\%$ of the rated value
Humidity Resistance	Test Temperature: $-40\pm 2^{\circ}\text{C}$ Test Humidity: 87% to 93% R.H. Test Voltage: rated voltage Test Duration: 500 hours After test, allow it stay alone for 1.5 ± 0.5 hrs at ordinary condition before making measurements	Appearance: No Visible Damage Withstand Voltage: Within specified limits $\Delta C/C: \leq \pm 5\%$ of the value before test DF: ≤ 0.002 (0.2%) Max at 1KHz IR: $\geq 50\%$ of the rated value

Notes:

1. Ambient Temp: 15°C to 35°C , Relative Humidity (R.H.): 45% to 75%, Air Pressure: 86kpa to 106kpa
2. Operating Temperature: $-40\sim 110^{\circ}\text{C}$
3. Storage needs to be kept indoors at $-10\sim +40^{\circ}\text{C}$ and relative humidity of under 75% without any sudden temperature changes, direct sunlight and corrosive gas around
4. Do not apply and exceeding vibration, shock (dropping) and pressure

*Specifications subject to change without notice.