

EMI Suppression Capacitors X1 Class 330VAC

ME1X 330V 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

ME1X 223 K 330V xxx
(1) (2) (3) (4) (5)



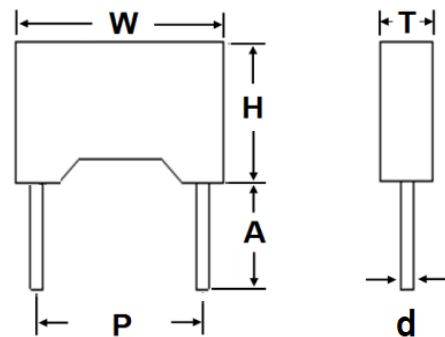
No	Item	Digit	Description	Reference
(1)	Meritek Series	ME1X	EMI Suppression Capacitors	X1 Class Safety Film Capacitor
(2)	Capacitance	223	223: 22000pF	First two digits: Significant, Third: Multiplier
(3)	Tolerance	K	K: $\pm 10\%$	$\pm 5\%$ (J), $\pm 20\%$ (M)
(4)	Rated Voltage	330V	330V: 330VAC	at 50~60Hz
(5)	Internal Code	xxx	Pitch or Internal control code	Internal Control or project reference

SPECIFICATIONS

Item	Characteristic	
Operating Temperature Range	$-40^{\circ}\text{C} \sim +110^{\circ}\text{C}$	
Rated Voltage , Climate Category	330VAC at 50~60Hz,	40/110/56/B
Capacitance, Tolerance	$0.001\mu\text{F} \sim 10.0\mu\text{F}$,	$\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M)
Dissipation Factor ($\tan \delta$)	$\leq 0.1\%$	at 1KHz $\pm 2\%$, $\leq 1.0V_{\text{RMS}}$
Insulation resistance at 100V _{DC} , Change Time: 60s ± 5 s	$\geq 15,000\text{M}\Omega$ ($C \leq 0.33\mu\text{F}$)	$\geq 5,000\text{M}\Omega \cdot \mu\text{F/C}$ ($C > 0.33\mu\text{F}$)
Withstanding Voltage	Between Terminals	Between Terminals and Case
	$4.3 \cdot U_{\text{RDC}}$ for 60s	$2 \cdot U_{\text{R}} + 1.5\text{KV}_{\text{AC}}$ 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	
52.5	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
ME1X102□330V75	102	0.0010	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X102□330V10	102	0.0010	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X102□330V15	102	0.0010	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X152□330V75	152	0.0015	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X152□330V10	152	0.0015	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X152□330V15	152	0.0015	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X222□330V75	222	0.0022	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X222□330V10	222	0.0022	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X222□330V15	222	0.0022	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X272□330V75	272	0.0027	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X272□330V10	272	0.0027	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X272□330V15	272	0.0027	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X332□330V75	332	0.0033	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X332□330V10	332	0.0033	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X332□330V15	332	0.0033	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X392□330V75	392	0.0039	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X392□330V10	392	0.0039	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X392□330V15	392	0.0039	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X472□330V75	472	0.0047	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X472□330V10	472	0.0047	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X472□330V15	472	0.0047	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X562□330V75	562	0.0056	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X562□330V10	562	0.0056	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X562□330V15	562	0.0056	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X682□330V75A	682	0.0068	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X682□330V75B	682	0.0068	J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL, cUL, ENEC
ME1X682□330V10	682	0.0068	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X682□330V15	682	0.0068	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X822□330V75A	822	0.0082	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X822□330V75B	822	0.0082	J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL, cUL, ENEC
ME1X822□330V10	822	0.0082	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X822□330V15	822	0.0082	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X103□330V75A	103	0.010	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X103□330V75B	103	0.010	J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL, cUL, ENEC
ME1X103□330V10	103	0.010	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC

Note: 1. □: denotes tolerance code; 2. Contact Meritek for Part Number on options on lead: diameter, length, and/or forming.

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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
ME1X103□330V15	103	0.010	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X123□330V75A	123	0.012	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X123□330V75B	123	0.012	J,K,M	330	10.5	12.0	6.0	7.5	0.6	UL, cUL, ENEC
ME1X123□330V10	123	0.012	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X123□330V15	123	0.012	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X153□330V75A	153	0.015	M	330	10.5	12.0	6.0	7.5	0.6	UL, cUL, ENEC
ME1X153□330V75B	153	0.015	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X153□330V10	153	0.015	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X153□330V15	153	0.015	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X183□330V75	183	0.018	J,K,M	330	10.0	9.0	4.0	7.5	0.6	UL, cUL, ENEC
ME1X183□330V10	183	0.018	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X183□330V15	183	0.018	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X223□330V75	223	0.022	J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL, cUL, ENEC
ME1X223□330V10	223	0.022	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X223□330V15	223	0.022	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X273□330V75	273	0.027	J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL, cUL, ENEC
ME1X273□330V10A	273	0.027	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X273□330V10B	273	0.027	J,K,M	330	13.0	12.0	6.0	10.0	0.6	UL, cUL, ENEC
ME1X273□330V15	273	0.027	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X333□330V75	333	0.033	J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL, cUL, ENEC
ME1X333□330V10A	333	0.033	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X333□330V10B	333	0.033	J,K,M	330	13.0	12.0	6.0	10.0	0.6	UL, cUL, ENEC
ME1X333□330V15	333	0.033	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X393□330V10A	393	0.039	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X393□330V10B	393	0.039	J,K,M	330	13.0	13.0	7.0	10.0	0.6	UL, cUL, ENEC
ME1X393□330V15	393	0.039	J,K,M	330	18.0	12.0	6.0	15.0	0.6	UL, cUL, ENEC
ME1X393□330V22	393	0.039	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X473□330V75	473	0.047	J,K,M	330	10.5	11.0	5.0	7.5	0.6	UL, cUL, ENEC
ME1X473□330V10A	473	0.047	M	330	13.0	13.0	7.0	10.0	0.6	UL, cUL, ENEC
ME1X473□330V10B	473	0.047	J,K,M	330	13.0	11.0	5.0	10.0	0.6	UL, cUL, ENEC
ME1X473□330V15A	473	0.047	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X473□330V15B	473	0.047	J,K,M	330	18.0	12.0	6.0	15.0	0.6	UL, cUL, ENEC
ME1X473□330V22	473	0.047	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X563□330V10A	563	0.056	J,K,M	330	13.0	12.0	6.0	10.0	0.6	UL, cUL, ENEC
ME1X563□330V10B	563	0.056	J,K,M	330	13.0	14.0	8.0	10.0	0.6	UL, cUL, ENEC

Note: 1. □: denotes tolerance code; 2. Contact Meritek for Part Number on options on lead: diameter, length, and/or forming.

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ME1X 330V 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
ME1X563□330V15A	563	0.056	J,K,M	330	18.0	11.0	5.0	15.0	0.6	UL, cUL, ENEC
ME1X563□330V15B	563	0.056	M	330	18.0	12.0	6.0	15.0	0.6	UL, cUL, ENEC
ME1X563□330V15C	563	0.056	J,K,M	330	18.0	13.5	6.0	15.0	0.6	UL, cUL, ENEC
ME1X563□330V22	563	0.056	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X683□330V10	683	0.068	J,K,M	330	13.0	12.0	6.0	10.0	0.6	UL, cUL, ENEC
ME1X683□330V15A	683	0.068	J,K,M	330	17.0	11.0	5.5	15.0	0.6	UL, cUL, ENEC
ME1X683□330V15B	683	0.068	J,K,M	330	17.0	15.5	7.5	15.0	0.6	UL, cUL, ENEC
ME1X683□330V22	683	0.068	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X823□330V15A	823	0.082	J,K,M	330	17.0	11.0	5.5	15.0	0.6	UL, cUL, ENEC
ME1X823□330V15B	823	0.082	J,K,M	330	17.0	15.5	7.5	15.0	0.6	UL, cUL, ENEC
ME1X823□330V22	823	0.082	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X104□330V10	104	0.10	J,K,M	330	13.0	14.0	8.0	10.0	0.6	UL, cUL, ENEC
ME1X104□330V15A	104	0.10	J,K,M	330	17.0	11.0	5.5	15.0	0.6	UL, cUL, ENEC
ME1X104□330V15B	104	0.10	M	330	17.0	15.5	7.5	15.0	0.6	UL, cUL, ENEC
ME1X104□330V15C	104	0.10	J,K,M	330	18.0	14.5	8.5	15.0	0.6	UL, cUL, ENEC
ME1X104□330V22	104	0.10	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X124□330V15A	124	0.12	J,K,M	330	18.0	12.0	6.0	15.0	0.6	UL, cUL, ENEC
ME1X124□330V15B	124	0.12	J,K,M	330	17.0	16.5	9.5	15.0	0.6	UL, cUL, ENEC
ME1X124□330V22	124	0.12	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X154□330V10A	154	0.15	J,K,M	330	13.0	12.0	6.0	10.0	0.6	UL, cUL, ENEC
ME1X154□330V10B	154	0.15	J,K,M	330	13.0	14.0	8.0	10.0	0.6	UL, cUL, ENEC
ME1X154□330V15A	154	0.15	J,K,M	330	18.0	13.5	6.0	15.0	0.6	UL, cUL, ENEC
ME1X154□330V15B	154	0.15	J,K,M	330	17.0	16.5	9.5	15.0	0.6	UL, cUL, ENEC
ME1X154□330V15C	154	0.15	J,K,M	330	17.0	19.0	11.0	15.0	0.6	UL, cUL, ENEC
ME1X154□330V22A	154	0.15	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X154□330V22B	154	0.15	J,K,M	330	26.5	16.5	7.0	22.5	0.8	UL, cUL, ENEC
ME1X154□330V27	154	0.15	J,K,M	330	31.5	16.5	7.5	27.5	1.0	UL, cUL, ENEC
ME1X184□330V15A	184	0.18	J,K,M	330	17.0	15.5	7.5	15.0	0.6	UL, cUL, ENEC
ME1X184□330V15B	184	0.18	J,K,M	330	17.0	19.0	11.0	15.0	0.6	UL, cUL, ENEC
ME1X184□330V22A	184	0.18	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X184□330V22B	184	0.18	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X184□330V27	184	0.18	J,K,M	330	31.5	16.5	7.5	27.5	1.0	UL, cUL, ENEC
ME1X224□330V15	224	0.22	J,K,M	330	17.0	15.5	7.5	15.0	0.6	UL, cUL, ENEC
ME1X224□330V22A	224	0.22	J,K,M	330	25.0	14.5	6.0	22.5	0.8	UL, cUL, ENEC
ME1X224□330V22B	224	0.22	J,K,M	330	25.0	17.5	8.0	22.5	0.8	UL, cUL, ENEC

Note: 1. □: denotes tolerance code; 2. Contact Meritek for Part Number on options on lead: diameter, length, and/or forming.

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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
ME1X224□330V22C	224	0.22	J,K,M	330	26.5	17.5	8.5	22.5	0.8	UL, cUL, ENEC
ME1X224□330V27	224	0.22	J,K,M	330	32.0	18.0	9.0	27.5	1.0	UL, cUL, ENEC
ME1X274□330V15	274	0.27	J,K,M	330	17.0	16.5	9.5	15.0	0.6	UL, cUL, ENEC
ME1X274□330V22A	274	0.27	J,K,M	330	26.5	16.5	7.0	22.5	0.8	UL, cUL, ENEC
ME1X274□330V22B	274	0.27	J,K,M	330	26.5	19.0	10.0	22.5	0.8	UL, cUL, ENEC
ME1X274□330V27	274	0.27	J,K,M	330	32.0	18.0	9.0	27.5	1.0	UL, cUL, ENEC
ME1X334□330V15	334	0.33	J,K,M	330	17.0	16.5	9.5	15.0	0.6	UL, cUL, ENEC
ME1X334□330V22A	334	0.33	J,K,M	330	26.5	16.5	7.0	22.5	0.8	UL, cUL, ENEC
ME1X334□330V22B	334	0.33	J,K,M	330	26.0	20.0	11.0	22.5	0.8	UL, cUL, ENEC
ME1X334□330V27A	334	0.33	J,K,M	330	31.5	20.0	11.0	27.5	1.0	UL, cUL, ENEC
ME1X334□330V27B	334	0.33	J,K,M	330	32.0	12.0	18.0	27.5	1.0	UL, cUL, ENEC
ME1X334□330V27C	334	0.33	J,K,M	330	31.5	16.5	7.5	27.5	1.0	UL, cUL, ENEC
ME1X334□330V32	334	0.33	J,K,M	330	37.0	24.0	13.5	32.5	1.0	UL, cUL, ENEC
ME1X304□330V37	304	0.30	J,K,M	330	41.0	22.0	11.0	37.5	1.0	UL, cUL, ENEC
ME1X394□330V22A	394	0.39	J,K,M	330	26.5	17.0	8.5	22.5	0.8	UL, cUL, ENEC
ME1X394□330V22B	394	0.39	J,K,M	330	26.5	17.0	8.5	22.5	0.8	UL, cUL, ENEC
ME1X394□330V22C	394	0.39	J,K,M	330	26.0	20.0	11.0	22.5	0.8	UL, cUL, ENEC
ME1X394□330V27A	394	0.39	J,K,M	330	31.5	16.5	7.5	27.5	1.0	UL, cUL, ENEC
ME1X394□330V27B	394	0.39	J,K,M	330	31.5	20.0	11.0	27.5	1.0	UL, cUL, ENEC
ME1X394□330V32	394	0.39	J,K,M	330	37.0	24.0	13.5	32.5	1.0	UL, cUL, ENEC
ME1X404□330V37	404	0.40	J,K,M	330	41.0	22.0	11.0	37.5	1.0	UL, cUL, ENEC
ME1X474□330V15	474	0.47	J,K,M	330	17.0	19.0	11.0	15.0	0.6	UL, cUL, ENEC
ME1X474□330V22A	474	0.47	J,K,M	330	26.5	17.0	8.5	22.5	0.8	UL, cUL, ENEC
ME1X474□330V22B	474	0.47	J,K,M	330	25.0	23.5	14.0	22.5	0.8	UL, cUL, ENEC
ME1X474□330V22C	474	0.47	M	330	26.0	21.5	12.0	22.5	0.8	UL, cUL, ENEC
ME1X474□330V27A	474	0.47	M	330	31.5	20.0	11.0	27.5	1.0	UL, cUL, ENEC
ME1X474□330V27B	474	0.47	J,K,M	330	31.5	16.5	7.5	27.5	1.0	UL, cUL, ENEC
ME1X474□330V27C	474	0.47	J,K,M	330	32.0	12.0	22.0	27.5	1.0	UL, cUL, ENEC
ME1X474□330V32	474	0.47	J,K,M	330	37.0	24.0	13.5	32.5	1.0	UL, cUL, ENEC
ME1X504□330V37	504	0.50	J,K,M	330	41.0	22.0	11.0	37.5	1.0	UL, cUL, ENEC
ME1X524□330V22A	524	0.52	J,K,M	330	25.0	19.0	8.5	22.5	0.8	UL, cUL, ENEC
ME1X524□330V22B	524	0.52	J,K,M	330	25.0	23.5	14.0	22.5	0.8	UL, cUL, ENEC
ME1X564□330V15	564	0.56	J,K,M	330	17.0	21.0	12.0	15.0	0.6	UL, cUL, ENEC
ME1X564□330V22A	564	0.56	M	330	25.0	23.5	14.0	22.5	0.8	UL, cUL, ENEC
ME1X564□330V22B	564	0.56	J,K,M	330	25.0	19.0	8.5	22.5	0.8	UL, cUL, ENEC

Note: 1. □: denotes tolerance code; 2. Contact Meritek for Part Number on options on lead: diameter, length, and/or forming.

EMI Suppression Capacitors X1 Class 330VAC

ME1X 330V 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
ME1X564□330V22C	564	0.56	J,K,M	330	26.0	25.0	15.0	22.5	0.8	UL, cUL, ENEC
ME1X564□330V27A	564	0.56	J,K,M	330	31.5	20.0	11.0	27.5	1.0	UL, cUL, ENEC
ME1X564□330V27B	564	0.56	J,K,M	330	31.5	22.5	13.0	27.5	1.0	UL, cUL, ENEC
ME1X564□330V32	564	0.56	J,K,M	330	37.0	24.0	13.5	32.5	1.0	UL, cUL, ENEC
ME1X604□330V27A	604	0.60	J,K,M	330	31.5	20.0	11.0	27.5	1.0	UL, cUL, ENEC
ME1X604□330V27B	604	0.60	J,K,M	330	31.5	25.0	14.0	27.5	1.0	UL, cUL, ENEC
ME1X684□330V15	684	0.68	J,K,M	330	17.0	21.0	12.0	15.0	0.6	UL, cUL, ENEC
ME1X684□330V22A	684	0.68	J,K,M	330	26.5	19.0	10.0	22.5	0.8	UL, cUL, ENEC
ME1X684□330V22B	684	0.68	M	330	26.0	25.0	15.0	22.5	0.8	UL, cUL, ENEC
ME1X684□330V27A	684	0.68	M	330	31.5	22.5	13.0	27.5	1.0	UL, cUL, ENEC
ME1X684□330V27B	684	0.68	J,K,M	330	31.5	20.0	11.0	27.5	1.0	UL, cUL, ENEC
ME1X684□330V27C	684	0.68	J,K,M	330	31.5	25.0	14.0	27.5	1.0	UL, cUL, ENEC
ME1X684□330V27D	684	0.68	J,K,M	330	32.0	16.0	22.0	27.5	1.0	UL, cUL, ENEC
ME1X684□330V32	684	0.68	J,K,M	330	37.0	24.0	13.5	32.5	1.0	UL, cUL, ENEC
ME1X824□330V22	824	0.82	J,K,M	330	26.0	20.0	11.0	22.5	0.8	UL, cUL, ENEC
ME1X824□330V27A	824	0.82	J,K,M	330	31.5	20.0	11.0	27.5	1.0	UL, cUL, ENEC
ME1X824□330V27B	824	0.82	J,K,M	330	32.0	28.0	14.0	27.5	1.0	UL, cUL, ENEC
ME1X824□330V27C	824	0.82	M	330	31.5	25.0	14.0	27.5	1.0	UL, cUL, ENEC
ME1X824□330V32	824	0.82	M	330	37.0	24.0	13.5	32.5	1.0	UL, cUL, ENEC
ME1X824□330V37A	824	0.82	M	330	41.0	22.0	11.0	37.5	1.0	UL, cUL, ENEC
ME1X824□330V37B	824	0.82	J,K,M	330	41.0	26.0	12.0	37.5	1.0	UL, cUL, ENEC
ME1X105□330V22	105	1.0	J,K,M	330	26.0	21.5	12.0	22.5	0.8	UL, cUL, ENEC
ME1X105□330V27A	105	1.0	J,K,M	330	30.0	21.0	11.5	27.5	1.0	UL, cUL, ENEC
ME1X105□330V27B	105	1.0	J,K,M	330	31.5	22.5	13.0	27.5	1.0	UL, cUL, ENEC
ME1X105□330V27C	105	1.0	J,K,M	330	32.0	18.5	31.0	27.5	1.0	UL, cUL, ENEC
ME1X105□330V27D	105	1.0	J,K,M	330	32.0	28.0	18.0	27.5	1.0	UL, cUL, ENEC
ME1X105□330V27E	105	1.0	M	330	32.0	16.0	27.5	27.5	1.0	UL, cUL, ENEC
ME1X105□330V32A	105	1.0	M	330	37.0	26.5	16.0	32.5	1.0	UL, cUL, ENEC
ME1X105□330V32B	105	1.0	J,K,M	330	37.0	24.0	13.5	32.5	1.0	UL, cUL, ENEC
ME1X105□330V32C	105	1.0	J,K,M	330	37.0	28.5	18.0	32.5	1.0	UL, cUL, ENEC
ME1X105□330V37A	105	1.0	J,K,M	330	41.0	26.0	12.0	37.5	1.0	UL, cUL, ENEC
ME1X105□330V37B	105	1.0	J,K,M	330	42.0	15.0	24.0	37.5	1.0	UL, cUL, ENEC
ME1X125□330V27A	125	1.2	J,K,M	330	32.0	29.0	19.0	27.5	1.0	UL, cUL, ENEC
ME1X125□330V27B	125	1.2	M	330	32.0	28.0	18.0	27.5	1.0	UL, cUL, ENEC
ME1X125□330V32A	125	1.2	M	330	37.0	28.5	18.0	32.5	1.0	UL, cUL, ENEC

Note: 1. □: denotes tolerance code; 2. Contact Meritek for Part Number on options on lead: diameter, length, and/or forming.

EMI Suppression Capacitors X1 Class 330VAC

ME1X 330V 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
ME1X125□330V32B	125	1.2	J,K,M	330	37.0	24.0	13.5	32.5	1.0	UL, cUL, ENEC
ME1X125□330V32C	125	1.2	J,K,M	330	35.5	31.0	20.0	32.5	1.0	UL, cUL, ENEC
ME1X125□330V37A	125	1.2	J,K,M	330	41.0	26.0	15.0	37.5	1.0	UL, cUL, ENEC
ME1X125□330V37B	125	1.2	J,K,M	330	41.0	28.0	14.0	37.5	1.0	UL, cUL, ENEC
ME1X155□330V27A	155	1.5	M	330	32.0	29.0	19.0	27.5	1.0	UL, cUL, ENEC
ME1X155□330V27B	155	1.5	M	330	32.0	18.5	31.0	27.5	1.0	UL, cUL, ENEC
ME1X155□330V27C	155	1.5	J,K,M	330	31.5	25.0	14.0	27.5	1.0	UL, cUL, ENEC
ME1X155□330V27D	155	1.5	J,K,M	330	31.0	31.0	22.0	27.5	1.0	UL, cUL, ENEC
ME1X155□330V32A	155	1.5	M	330	35.5	31.0	20.0	32.5	1.0	UL, cUL, ENEC
ME1X155□330V32B	155	1.5	J,K,M	330	36.0	24.0	13.5	32.5	1.0	UL, cUL, ENEC
ME1X155□330V32C	155	1.5	J,K,M	330	37.0	34.0	22.0	32.5	1.0	UL, cUL, ENEC
ME1X155□330V37A	155	1.5	M	330	41.0	28.0	14.0	37.5	1.0	UL, cUL, ENEC
ME1X155□330V37B	155	1.5	M	330	41.0	26.0	15.0	37.5	1.0	UL, cUL, ENEC
ME1X155□330V37C	155	1.5	J,K,M	330	41.0	30.0	16.0	37.5	1.0	UL, cUL, ENEC
ME1X155□330V37D	155	1.5	J,K,M	330	42.0	19.0	24.0	37.5	1.0	UL, cUL, ENEC
ME1X185□330V27A	185	1.8	J,K,M	330	31.5	25.0	14.0	27.5	1.0	UL, cUL, ENEC
ME1X185□330V27B	185	1.8	J,K,M	330	32.0	37.0	22.0	27.5	1.0	UL, cUL, ENEC
ME1X185□330V32A	185	1.8	J,K,M	330	37.0	26.5	16.0	32.5	1.0	UL, cUL, ENEC
ME1X185□330V32B	185	1.8	J,K,M	330	37.0	34.0	22.0	32.5	1.0	UL, cUL, ENEC
ME1X185□330V37A	185	1.8	M	330	41.0	30.0	16.0	37.5	1.0	UL, cUL, ENEC
ME1X185□330V37B	185	1.8	J,K,M	330	41.0	26.0	12.0	37.5	1.0	UL, cUL, ENEC
ME1X185□330V37C	185	1.8	J,K,M	330	41.0	32.0	17.0	37.5	1.0	UL, cUL, ENEC
ME1X225□330V27A	225	2.2	M	330	32.0	37.0	22.0	27.5	1.0	UL, cUL, ENEC
ME1X225□330V27B	225	2.2	J,K,M	330	32.0	28.0	18.0	27.5	1.0	UL, cUL, ENEC
ME1X225□330V32A	225	2.2	M	330	37.0	34.0	22.0	32.5	1.0	UL, cUL, ENEC
ME1X225□330V32B	225	2.2	J,K,M	330	37.0	26.5	16.0	32.5	1.0	UL, cUL, ENEC
ME1X225□330V37A	225	2.2	M	330	41.0	32.0	17.0	37.5	1.0	UL, cUL, ENEC
ME1X225□330V37B	225	2.2	J,K,M	330	41.0	33.5	19.5	37.5	1.0	UL, cUL, ENEC
ME1X225□330V37C	225	2.2	J,K,M	330	41.0	26.0	12.0	37.5	1.0	UL, cUL, ENEC
ME1X225□330V37D	225	2.2	J,K,M	330	41.0	28.0	14.0	37.5	1.0	UL, cUL, ENEC
ME1X275□330V27	275	2.7	J,K,M	330	31.0	31.0	22.0	27.5	1.0	UL, cUL, ENEC
ME1X275□330V32	275	2.7	J,K,M	330	37.0	28.5	18.0	32.5	1.0	UL, cUL, ENEC
ME1X275□330V37A	275	2.7	J,K,M	330	41.0	37.0	22.0	37.5	1.0	UL, cUL, ENEC
ME1X275□330V37B	275	2.7	J,K,M	330	41.0	28.0	14.0	37.5	1.0	UL, cUL, ENEC
ME1X335□330V32	335	3.3	J,K,M	330	35.5	31.0	20.0	32.5	1.0	UL, cUL, ENEC

Note: 1. □: denotes tolerance code; 2. Contact Meritek for Part Number on options on lead: diameter, length, and/or forming.

EMI Suppression Capacitors X1 Class 330VAC

ME1X 330V 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
ME1X335□330V47	335	3.3	J,K,M	330	51.0	27.5	17.5	47.5	1.0	UL, cUL, ENEC
ME1X395□330V37A	395	3.9	J,K,M	330	41.0	43.0	28.0	37.5	1.0	UL, cUL, ENEC
ME1X395□330V37B	395	3.9	J,K,M	330	41.0	32.0	17.0	37.5	1.0	UL, cUL, ENEC
ME1X395□330V47	395	3.9	J,K,M	330	51.0	27.5	17.5	47.5	1.0	UL, cUL, ENEC
ME1X445□330V37A	445	4.4	J,K,M	330	41.0	33.5	19.5	37.5	1.0	UL, cUL, ENEC
ME1X445□330V37B	445	4.4	J,K,M	330	41.0	43.0	28.0	37.5	1.0	UL, cUL, ENEC
ME1X445□330V47A	445	4.4	J,K,M	330	51.0	30.5	20.0	47.5	1.0	UL, cUL, ENEC
ME1X445□330V47B	445	4.4	J,K,M	330	51.0	43.5	29.0	47.5	1.0	UL, cUL, ENEC
ME1X445□330V52	445	4.4	J,K,M	330	57.0	38.0	24.0	52.5	1.0	UL, cUL, ENEC
ME1X475□330V37A	475	4.7	M	330	41.0	43.0	28.0	37.5	1.0	UL, cUL, ENEC
ME1X475□330V37B	475	4.7	J,K,M	330	42.0	45.0	30.0	37.5	1.0	UL, cUL, ENEC
ME1X475□330V37C	475	4.7	J,K,M	330	41.0	33.5	19.5	37.5	1.0	UL, cUL, ENEC
ME1X475□330V47A	475	4.7	J,K,M	330	51.0	30.5	20.0	47.5	1.0	UL, cUL, ENEC
ME1X475□330V47B	475	4.7	J,K,M	330	51.0	43.5	29.0	47.5	1.0	UL, cUL, ENEC
ME1X475□330V52	475	4.7	J,K,M	330	57.0	38.0	24.0	52.5	1.0	UL, cUL, ENEC
ME1X565□330V37	565	5.6	J,K,M	330	41.0	37.0	22.0	37.5	1.0	UL, cUL, ENEC
ME1X565□330V47A	565	5.6	J,K,M	330	51.0	34.0	22.0	47.5	1.0	UL, cUL, ENEC
ME1X565□330V47B	565	5.6	M	330	51.0	43.5	29.0	47.5	1.0	UL, cUL, ENEC
ME1X565□330V52A	565	5.6	M	330	57.0	38.0	24.0	52.5	1.0	UL, cUL, ENEC
ME1X565□330V52B	565	5.6	J,K,M	330	57.0	45.0	30.0	52.5	1.0	UL, cUL, ENEC
ME1X685□330V37	685	6.8	J,K,M	330	41.0	37.0	22.0	37.5	1.0	UL, cUL, ENEC
ME1X685□330V47A	685	6.8	J,K,M	330	51.0	34.0	22.0	47.5	1.0	UL, cUL, ENEC
ME1X685□330V47B	685	6.8	J,K,M	330	51.0	49.5	35.0	47.5	1.0	UL, cUL, ENEC
ME1X685□330V52A	685	6.8	J,K,M	330	57.0	50.0	35.0	52.5	1.0	UL, cUL, ENEC
ME1X685□330V52B	685	6.8	M	330	57.0	45.0	30.0	52.5	1.0	UL, cUL, ENEC
ME1X685□330V52C	685	6.8	M	330	57.0	30.0	44.0	52.5	1.0	UL, cUL, ENEC
ME1X825□330V37	825	8.2	J,K,M	330	41.5	41.0	27.5	37.5	1.0	UL, cUL, ENEC
ME1X825□330V47A	825	8.2	J,K,M	330	51.0	43.5	29.0	47.5	1.0	UL, cUL, ENEC
ME1X825□330V47B	825	8.2	M	330	51.0	49.5	35.0	47.5	1.0	UL, cUL, ENEC
ME1X825□330V52	825	8.2	J,K,M	330	57.0	50.0	35.0	52.5	1.0	UL, cUL, ENEC
ME1X106□330V37	106	10.0	J,K,M	330	41.0	43.0	28.0	37.5	1.0	UL, cUL, ENEC
ME1X106□330V47A	106	10.0	J,K,M	330	51.0	43.5	29.0	47.5	1.0	UL, cUL, ENEC
ME1X106□330V47B	106	10.0	J,K,M	330	51.0	49.5	35.0	47.5	1.0	UL, cUL, ENEC
ME1X106□330V47C	106	10.0	M	330	51.0	43.5	29.0	47.5	1.0	UL, cUL, ENEC
ME1X106□330V52A	106	10.0	J,K,M	330	57.0	55.0	45.0	52.5	1.0	UL, cUL, ENEC
ME1X106□330V52B	106	10.0	M	330	57.0	50.0	35.0	52.5	1.0	UL, cUL, ENEC

Note: 1. □: denotes tolerance code; 2. Contact Meritek for Part Number on options on lead: diameter, length, and/or forming.

EMI Suppression Capacitors X1 Class 330VAC

ME1X 330V Series

MERITEK

RELIABILITY 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 4.3 times of rated voltage for 60s	Within specified limits																	
Withstand Voltage - Between Terminals & Enclosure	Apply 2 times of rated voltage $1.5KV_{AC}$ 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 100V, 60 ± 5 Sec	$Cr \leq 0.33\mu F$ $IR \geq 15,000M\Omega$ $Cr > 0.33\mu F$ $IR \geq 5,000M\Omega \cdot \mu F/C$																	
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																	
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 $+1/-0$ Hrs																		
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 $+1/-0$ hrs 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 Class 330VAC

ME1X 330V 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 $C_r \leq 1\mu\text{F}$ DF: ≤ 0.005 Max at 1KHz; for $C_r > 1\mu\text{F}$ 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.