

EMI Suppression Capacitors

Y2 Class THB type

MEYT-300V Series

MERITEK

FEATURE

- Good Self-Healing Property
- Y2 Class for Interference Suppression
- Metallized Polypropylene Film, Non-Inductive Wound Construction
- Flammability Rating According to UL94-V0
- UL/CUL Safety Approved: Certification No: E197475
- Temperature Humidity Bias series



PART NUMBERING SYSTEM

MEYT 823 K 300V xxx
 (1) (2) (3) (4) (5)



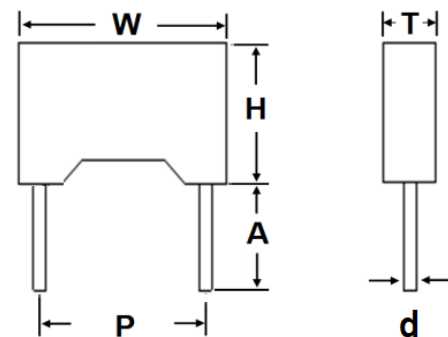
No	Item	Digit	Description	
(1)	Meritek Series	MEYT	EMI Suppression Capacitors	Y2 Class, Temperature Humidity Bias series
(2)	Capacitance	823	823: 0.082μF	First Two Digits: Significant, Third: Multiplier
(3)	Tolerance	K	K: ±10%	-10% ~ +10%,
(4)	Rated Voltage	300V	300VA: 300VAC	Working Voltage, 50/60Hz
(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	300VAC at 50~60Hz,	40/110/56/B
Capacitance, Tolerance	0.00047μF ~ 1.0μF,	±5% (J), ±10% (K), ±20% (M)
Dissipation Factor (tan δ)	≤0.1%	at 1KHz ±2%, ≤1.0V _{RMS}
Insulation resistance	≥ 15,000MΩ (C≤0.33uF)	≥ 5,000MΩ*uF/C (C>0.33uF)
Withstanding Voltage	Between Terminals	Between Terminals and Case
	2,000VAC for 2sec. or 4,000VDC for 2 sec.	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 – 300VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(μ F)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
MEYT471□300V75	471	0.00047	J,K,M	300	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
MEYT561□300V75	561	0.00056	J,K,M	300	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
MEYT681□300V75	681	0.00068	J,K,M	300	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
MEYT821□300V75	821	0.00082	J,K,M	300	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
MEYT102□300V75	102	0.00100	J,K,M	300	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
MEYT122□300V75	122	0.00120	J,K,M	300	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
MEYT152□300V75	152	0.00150	J,K,M	300	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
MEYT182□300V75	182	0.00180	J,K,M	300	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
MEYT222□300V75A	222	0.00220	J,K,M	300	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
MEYT222□300V75B	222	0.00220	J,K,M	300	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
MEYT272□300V75A	272	0.00270	J,K,M	300	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
MEYT272□300V75B	272	0.00270	J,K,M	300	10.5	9.0	4.0	7.5	0.6	UL,cUL,ENEC
MEYT332□300V75	332	0.00330	J,K,M	300	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
MEYT392□300V75	392	0.00390	J,K,M	300	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
MEYT472□300V75	472	0.00470	J,K,M	300	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
MEYT562□300V75	562	0.00560	J,K,M	300	10.5	11.0	5.0	7.5	0.6	UL,cUL,ENEC
MEYT471□300V10	471	0.00047	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT561□300V10	561	0.00056	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT681□300V10	681	0.00068	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT821□300V10	821	0.00082	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT102□300V10A	102	0.0010	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT102□300V10B	102	0.0010	J,K,M	300	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
MEYT122□300V10A	122	0.0012	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT122□300V10B	122	0.0012	J,K,M	300	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
MEYT152□300V10A	152	0.0015	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT152□300V10B	152	0.0015	J,K,M	300	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
MEYT182□300V10A	182	0.0018	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT182□300V10B	182	0.0018	J,K,M	300	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
MEYT222□300V10A	222	0.0022	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT222□300V10B	222	0.0022	J,K,M	300	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
MEYT272□300V10A	272	0.0027	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT272□300V10B	272	0.0027	J,K,M	300	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
MEYT332□300V10A	332	0.0033	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT332□300V10B	332	0.0033	J,K,M	300	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
MEYT392□300V10A	392	0.0039	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC

Note: 1. □: denotes tolerance code; 2. **: Contact Meritek for Part Number

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ELECTRICAL SPECIFICATION – 300VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
MEYT392□300V10B	392	0.0039	J,K,M	300	13.0	9.0	4.0	10.0	0.6	UL,cUL,ENEC
MEYT472□300V10	472	0.0047	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT562□300V10	562	0.0056	J,K,M	300	13.0	11.0	5.0	10.0	0.6	UL,cUL,ENEC
MEYT682□300V10	682	0.0068	J,K,M	300	13.0	12.0	6.0	10.0	0.6	UL,cUL,ENEC
MEYT822□300V10	822	0.0082	J,K,M	300	13.0	12.0	6.0	10.0	0.6	UL,cUL,ENEC
MEYT103□300V10	103	0.0100	J,K,M	300	13.0	12.0	6.0	10.0	0.6	UL,cUL,ENEC
MEYT153□300V10	153	0.0150	J,K,M	300	13.0	12.0	6.0	10.0	0.6	UL,cUL,ENEC
MEYT123□300V10	123	0.0120	J,K,M	300	13.0	12.0	6.0	10.0	0.6	UL,cUL,ENEC
MEYT223□300V10	223	0.0220	J,K,M	300	13.0	13.0	7.0	10.0	0.6	UL,cUL,ENEC
MEYT273□300V10	273	0.0270	J,K,M	300	13.0	14.0	8.0	10.0	0.6	UL,cUL,ENEC
MEYT333□300V10	333	0.0330	J,K,M	300	13.0	14.0	8.0	10.0	0.6	UL,cUL,ENEC
MEYT471□300V15	471	0.0005	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT561□300V15	561	0.0006	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT681□300V15	681	0.0007	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT821□300V15	821	0.0008	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT102□300V15	102	0.0010	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT152□300V15	152	0.0015	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT222□300V15A	222	0.0022	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT222□300V15B	222	0.0022	J,K,M	300	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
MEYT272□300V15A	272	0.0027	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT272□300V15B	272	0.0027	J,K,M	300	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
MEYT332□300V15A	332	0.0033	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT332□300V15B	332	0.0033	J,K,M	300	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
MEYT392□300V15A	392	0.0039	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT392□300V15B	392	0.0039	J,K,M	300	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
MEYT472□300V15	472	0.0047	J,K,M	300	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
MEYT562□300V15	562	0.0056	J,K,M	300	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
MEYT682□300V15	682	0.0068	J,K,M	300	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
MEYT822□300V15	822	0.0082	J,K,M	300	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
MEYT103□300V15	103	0.0100	J,K,M	300	17.5	9.5	5.0	15.0	0.6	UL,cUL,ENEC
MEYT472□300V15	472	0.0047	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT562□300V15	562	0.0056	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT682□300V15	682	0.0068	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT822□300V15	822	0.0082	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT103□300V15	103	0.0100	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC

Note: 1. □: denotes tolerance code; 2. **: Contact Meritek for Part Number

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MEYT-300V Series

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ELECTRICAL SPECIFICATION – 300VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
MEYT123□300V15	123	0.0120	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT153□300V15	153	0.0150	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT183□300V15	183	0.0180	J,K,M	300	18.0	11.0	5.0	15.0	0.6	UL,cUL,ENEC
MEYT223□300V15	223	0.0220	J,K,M	300	17.0	11.0	5.5	15.0	0.6	UL,cUL,ENEC
MEYT253□300V15	253	0.0250	J,K,M	300	18.0	12.0	6.0	15.0	0.6	UL,cUL,ENEC
MEYT273□300V15A	273	0.0270	J,K,M	300	17.0	11.0	5.5	15.0	0.6	UL,cUL,ENEC
MEYT273□300V15B	273	0.0270	J,K,M	300	18.0	12.0	6.0	15.0	0.6	UL,cUL,ENEC
MEYT333□300V15	333	0.0330	J,K,M	300	18.0	12.0	6.0	15.0	0.6	UL,cUL,ENEC
MEYT393□300V15	393	0.0390	J,K,M	300	18.0	13.5	6.0	15.0	0.6	UL,cUL,ENEC
MEYT473□300V15	473	0.0470	J,K,M	300	18.0	13.5	6.0	15.0	0.6	UL,cUL,ENEC
MEYT563□300V15	563	0.0560	J,K,M	300	17.0	15.5	7.5	15.0	0.6	UL,cUL,ENEC
MEYT683□300V15	683	0.0680	J,K,M	300	17.0	15.5	7.5	15.0	0.6	UL,cUL,ENEC
MEYT823□300V15	823	0.0820	J,K,M	300	17.0	16.5	9.5	15.0	0.6	UL,cUL,ENEC
MEYT104□300V15	104	0.1000	J,K,M	300	17.0	16.5	9.5	15.0	0.6	UL,cUL,ENEC
MEYT333□300V22	333	0.0330	J,K,M	300	25.0	14.5	6.0	22.5	0.8	UL,cUL,ENEC
MEYT393□300V22	393	0.0390	J,K,M	300	25.0	14.5	6.0	22.5	0.8	UL,cUL,ENEC
MEYT473□300V22	473	0.0470	J,K,M	300	25.0	14.5	6.0	22.5	0.8	UL,cUL,ENEC
MEYT563□300V22	563	0.0560	J,K,M	300	25.0	14.5	6.0	22.5	0.8	UL,cUL,ENEC
MEYT683□300V22A	683	0.0680	M	300	25.0	14.5	6.0	22.5	0.8	UL,cUL,ENEC
MEYT683□300V22B	683	0.0680	J,K,M	300	26.5	16.5	7.0	22.5	0.8	UL,cUL,ENEC
MEYT823□300V22	823	0.0820	J,K,M	300	26.5	16.5	7.0	22.5	0.8	UL,cUL,ENEC
MEYT104□300V22A	104	0.1000	J,K,M	300	26.5	16.5	7.0	22.5	0.8	UL,cUL,ENEC
MEYT104□300V22B	104	0.1000	J,K,M	300	26.5	29.5	14.5	22.5	0.8	UL,cUL,ENEC
MEYT124□300V22	124	0.1200	J,K,M	300	26.5	17.0	8.5	22.5	0.8	UL,cUL,ENEC
MEYT154□300V22	154	0.1500	J,K,M	300	26.5	19.0	10.0	22.5	0.8	UL,cUL,ENEC
MEYT184□300V22	184	0.1800	J,K,M	300	26.0	20.0	11.0	22.5	0.8	UL,cUL,ENEC
MEYT224□300V22	224	0.2200	J,K,M	300	26.5	21.5	12.0	22.5	0.8	UL,cUL,ENEC
MEYT274□300V22	274	0.2700	J,K,M	300	26.5	22.5	12.5	22.5	0.8	UL,cUL,ENEC
MEYT334□300V22	334	0.3300	J,K,M	300	26.0	25.0	15.0	22.5	0.8	UL,cUL,ENEC
MEYT334□300V22	334	0.3300	J,K,M	300	26.5	29.5	14.5	22.5	0.8	UL,cUL,ENEC
MEYT394□300V22A	394	0.3900	M	300	26.0	25.0	15.0	22.5	0.8	UL,cUL,ENEC
MEYT394□300V22B	394	0.3900	M	300	26.5	29.5	14.5	22.5	0.8	UL,cUL,ENEC
MEYT104□300V27	104	0.1000	J,K,M	300	31.5	16.5	7.5	27.5	0.8	UL,cUL,ENEC
MEYT124□300V27	124	0.1200	J,K,M	300	31.0	18.0	9.0	27.5	0.8	UL,cUL,ENEC
MEYT154□300V27A	154	0.1500	J,K,M	300	31.0	18.0	9.0	27.5	0.8	UL,cUL,ENEC

Note: 1. □: denotes tolerance code; 2. **: Contact Meritek for Part Number

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Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(μ F)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
MEYT154□300V27B	154	0.150	J,K,M	300	32.0	12.0	18.0	27.5	0.8	UL,cUL,ENEC
MEYT184□300V27	184	0.180	J,K,M	300	31.5	20.0	11.0	27.5	0.8	UL,cUL,ENEC
MEYT224□300V27A	224	0.220	J,K,M	300	31.5	20.0	11.0	27.5	0.8	UL,cUL,ENEC
MEYT224□300V27B	224	0.220	M	300	32.0	12.0	18.0	27.5	0.8	UL,cUL,ENEC
MEYT224□300V27C	224	0.220	J,K,M	300	30.0	21.0	12.0	27.5	0.8	UL,cUL,ENEC
MEYT274□300V27A	274	0.270	M	300	31.5	20.0	11.0	27.5	0.8	UL,cUL,ENEC
MEYT274□300V27B	274	0.270	J,K,M	300	31.5	22.5	13.0	27.5	0.8	UL,cUL,ENEC
MEYT334□300V27A	334	0.330	M	300	31.5	22.5	13.0	27.5	0.8	UL,cUL,ENEC
MEYT334□300V27B	334	0.330	J,K,M	300	31.5	25.0	14.0	27.5	0.8	UL,cUL,ENEC
MEYT334□300V27C	334	0.330	J,K,M	300	31.0	24.5	15.0	27.5	0.8	UL,cUL,ENEC
MEYT334□300V27D	334	0.330	M	300	32.0	12.0	22.0	27.5	0.8	UL,cUL,ENEC
MEYT394□300V27A	394	0.390	J,K,M	300	31.0	24.5	15.0	27.5	0.8	UL,cUL,ENEC
MEYT394□300V27B	394	0.390	J,K,M	300	32.0	28.0	14.0	27.5	0.8	UL,cUL,ENEC
MEYT474□300V27A	474	0.470	M	300	31.0	24.5	15.0	27.5	0.8	UL,cUL,ENEC
MEYT474□300V27B	474	0.470	M	300	32.0	28.0	14.0	27.5	0.8	UL,cUL,ENEC
MEYT474□300V27C	474	0.470	J,K,M	300	32.0	28.0	18.0	27.5	0.8	UL,cUL,ENEC
MEYT474□300V27D	474	0.470	J,K,M	300	32.0	16.0	27.5	27.5	0.8	UL,cUL,ENEC
MEYT474□300V27E	474	0.470	J,K,M	300	32.0	30.0	15.0	27.5	0.8	UL,cUL,ENEC
MEYT564□300V27A	564	0.560	J,K,M	300	32.0	30.0	15.0	27.5	0.8	UL,cUL,ENEC
MEYT564□300V27B	564	0.560	J,K,M	300	32.0	28.0	18.0	27.5	0.8	UL,cUL,ENEC
MEYT684□300V27A	684	0.680	M	300	32.0	28.0	18.0	27.5	0.8	UL,cUL,ENEC
MEYT684□300V27B	684	0.680	J,K,M	300	32.0	30.0	21.0	27.5	0.8	UL,cUL,ENEC
MEYT684□300V27C	684	0.680	J,K,M	300	31.5	33.0	18.0	27.5	0.8	UL,cUL,ENEC
MEYT684□300V27D	684	0.680	J,K,M	300	32.0	18.5	31.0	27.5	0.8	UL,cUL,ENEC
MEYT824□300V27A	824	0.820	M	300	32.0	18.5	31.0	27.5	0.8	UL,cUL,ENEC
MEYT824□300V27B	824	0.820	M	300	31.5	33.0	18.0	27.5	0.8	UL,cUL,ENEC
MEYT824□300V27C	824	0.820	J,K,M	300	32.0	37.0	22.0	27.5	0.8	UL,cUL,ENEC
MEYT105□300V27	105	1.000	J,K,M	300	32.0	37.0	22.0	27.5	0.8	UL,cUL,ENEC
MEYT105□300V32	105	1.000	M	300	37.0	34.0	22.0	32.5	0.8	UL,cUL,ENEC
MEYT105□300V32	105	1.000	J,K,M	300	37.0	34.0	22.0	32.5	0.8	UL,cUL,ENEC
MEYT334□300V32	334	0.330	J,K,M	300	37.0	24.0	13.5	32.5	0.8	UL,cUL,ENEC
MEYT394□300V32A	394	0.390	M	300	37.0	24.0	13.5	32.5	0.8	UL,cUL,ENEC
MEYT394□300V32B	394	0.390	J,K,M	300	37.0	24.0	13.5	32.5	0.8	UL,cUL,ENEC
MEYT474□300V32A	474	0.470	J,K,M	300	37.0	24.0	13.5	32.5	0.8	UL,cUL,ENEC
MEYT474□300V32B	474	0.470	J,K,M	300	37.0	26.5	16.0	32.5	0.8	UL,cUL,ENEC

Note: 1. □: denotes tolerance code; 2. **: Contact Meritek for Part Number

EMI Suppression Capacitors

Y2 Class THB type

MEYT-300V Series

MERITEK

ELECTRICAL SPECIFICATION – 300VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(μ F)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
MEYT564□300V32A	564	0.560	J,K,M	300	37.0	26.5	16.0	32.5	0.8	UL,cUL,ENEC
MEYT564□300V32B	564	0.560	J,K,M	300	37.0	28.5	18.0	32.5	0.8	UL,cUL,ENEC
MEYT684□300V32A	684	0.680	M	300	37.0	26.5	16.0	32.5	0.8	UL,cUL,ENEC
MEYT684□300V32B	684	0.680	M	300	37.0	28.5	18.0	32.5	0.8	UL,cUL,ENEC
MEYT684□300V32C	684	0.680	J,K,M	300	35.5	31.0	20.0	32.5	0.8	UL,cUL,ENEC
MEYT824□300V32A	824	0.820	J,K,M	300	35.5	31.0	20.0	32.5	0.8	UL,cUL,ENEC
MEYT824□300V32B	824	0.820	J,K,M	300	37.0	34.0	22.0	32.5	0.8	UL,cUL,ENEC
MEYT334□300V37	334	0.330	J,K,M	300	41.5	22.0	12.0	37.5	1.0	UL,cUL,ENEC
MEYT394□300V37A	394	0.390	M	300	41.5	22.0	12.0	37.5	1.0	UL,cUL,ENEC
MEYT394□300V37B	394	0.390	K	300	41.0	24.0	13.0	37.5	1.0	UL,cUL,ENEC
MEYT474□300V37A	474	0.470	J,K,M	300	41.0	24.0	13.0	37.5	1.0	UL,cUL,ENEC
MEYT474□300V37B	474	0.470	J,K,M	300	41.5	26.0	14.5	37.5	1.0	UL,cUL,ENEC
MEYT474□300V37C	474	0.470	J,K,M	300	42.0	15.0	24.0	37.5	1.0	UL,cUL,ENEC
MEYT564□300V37A	564	0.560	J,K,M	300	41.5	26.0	14.5	37.5	1.0	UL,cUL,ENEC
MEYT564□300V37B	564	0.560	J,K,M	300	42.0	28.0	14.0	37.5	1.0	UL,cUL,ENEC
MEYT684□300V37A	684	0.680	M	300	41.5	26.0	14.5	37.5	1.0	UL,cUL,ENEC
MEYT684□300V37B	684	0.680	M	300	42.0	28.0	14.0	37.5	1.0	UL,cUL,ENEC
MEYT684□300V37C	684	0.680	J,K,M	300	41.5	30.0	17.0	37.5	1.0	UL,cUL,ENEC
MEYT824□300V37A	824	0.820	J,K,M	300	41.5	30.0	17.0	37.5	1.0	UL,cUL,ENEC
MEYT824□300V37B	824	0.820	J,K,M	300	42.0	19.0	24.0	37.5	1.0	UL,cUL,ENEC
MEYT105□300V37A	105	1.00	M	300	41.5	30.0	17.0	37.5	1.0	UL,cUL,ENEC
MEYT105□300V37B	105	1.00	M	300	41.5	32.0	19.0	37.5	1.0	UL,cUL,ENEC
MEYT105□300V37C	105	1.00	J,K,M	300	41.5	34.0	20.5	37.5	1.0	UL,cUL,ENEC
MEYT105□300V37D	105	1.00	J,K,M	300	41.5	35.5	22.5	37.5	1.0	UL,cUL,ENEC
MEYT125□300V37	125	1.20	J,K,M	300	41.5	35.5	22.5	37.5	1.0	UL,cUL,ENEC
MEYT105□300V37E	105	1.00	J,K,M	300	41.0	37.0	22.0	37.5	1.0	UL,cUL,ENEC
MEYT155□300V37	155	1.50	J,K,M	300	41.5	41.0	27.5	37.5	1.0	UL,cUL,ENEC
MEYT185□300V37A	185	1.80	J,K,M	300	41.5	43.0	28.0	37.5	1.0	UL,cUL,ENEC
MEYT185□300V37B	185	1.80	J,K,M	300	41.5	45.0	30.0	37.5	1.0	UL,cUL,ENEC
MEYT205□300V37	205	2.00	J,K,M	300	41.5	45.0	30.0	37.5	1.0	UL,cUL,ENEC
MEYT394□300V37	394	0.39	J,K,M	300	41.5	26.0	14.5	37.5	1.0	UL,cUL,ENEC
MEYT105□300V47A	105	1.00	J,K,M	300	51.0	27.5	17.5	47.5	1.0	UL,cUL,ENEC
MEYT105□300V47B	105	1.00	J,K,M	300	51.0	30.5	20.0	47.5	1.0	UL,cUL,ENEC
MEYT125□300V47A	125	1.20	J,K,M	300	51.0	30.5	20.0	47.5	1.0	UL,cUL,ENEC
MEYT125□300V47B	125	1.20	J,K,M	300	51.0	34.0	22.0	47.5	1.0	UL,cUL,ENEC

Note: 1. □: denotes tolerance code; 2. **: Contact Meritek for Part Number

EMI Suppression Capacitors

Y2 Class THB type

MEYT-300V Series

MERITEK

ELECTRICAL SPECIFICATION – 300VAC

Part Number	Cap Code	Cap	Tol	Volt	W	H	T	P	d	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	(mm)	Compliance
MEYT155□300V47A	155	1.50	J,K,M	300	51.0	34.0	22.0	47.5	1.0	UL,cUL,ENEC
MEYT155□300V47B	155	1.50	J,K,M	300	51.0	35.0	24.0	47.5	1.0	UL,cUL,ENEC
MEYT185□300V47A	185	1.80	J,K,M	300	51.0	35.0	24.0	47.5	1.0	UL,cUL,ENEC
MEYT185□300V47B	185	1.80	J,K,M	300	51.0	43.5	29.0	47.5	1.0	UL,cUL,ENEC
MEYT125□300V51	125	1.20	J,K,M	300	58.0	30.0	20.5	51.5	1.0	UL,cUL,ENEC
MEYT155□300V51	155	1.50	J,K,M	300	58.0	30.0	20.5	51.5	1.0	UL,cUL,ENEC
MEYT185□300V51	185	1.80	J,K,M	300	58.0	35.0	23.0	51.5	1.0	UL,cUL,ENEC
MEYT205□300V51	205	2.00	J,K,M	300	58.0	35.0	23.0	51.5	1.0	UL,cUL,ENEC
MEYT225□300V51	225	2.20	J,K,M	300	58.0	38.0	25.0	51.5	1.0	UL,cUL,ENEC
MEYT255□300V51	255	2.50	J,K,M	300	57.0	45.0	30.0	51.5	1.0	UL,cUL,ENEC
MEYT275□300V51	275	2.70	J,K,M	300	57.0	45.0	30.0	51.5	1.0	UL,cUL,ENEC
MEYT305□300V51	305	3.00	J,K,M	300	57.0	45.0	30.0	51.5	1.0	UL,cUL,ENEC
MEYT335□300V51A	335	3.30	J,K,M	300	57.0	45.0	30.0	51.5	1.0	UL,cUL,ENEC
MEYT335□300V51B	335	3.30	J,K,M	300	57.0	30.0	44.0	51.5	1.0	UL,cUL,ENEC
MEYT395□300V51	395	3.90	J,K,M	300	57.0	50.0	35.0	51.5	1.0	UL,cUL,ENEC
MEYT475□300V51A	475	4.70	J,K,M	300	57.0	50.0	35.0	51.5	1.0	UL,cUL,ENEC
MEYT475□300V51B	475	4.70	J,K,M	300	58.0	56.5	43.0	51.5	1.0	UL,cUL,ENEC
MEYT475□300V51C	475	4.70	J,K,M	300	58.0	55.0	45.0	51.5	1.0	UL,cUL,ENEC

Note: 1. □: denotes tolerance code; 2. **: Contact Meritek for Part Number

RELIABILITY AND TEST CONDITIONS

Item	Test Condition	Requirement
Withstand voltage (Between Terminals)	Apply 2000VAC for 2Sec or 4000VDC for 2Sec	Shall be no abnormality
Withstand voltage (Between terminal and Enclosure)	Apply 2*Ur+1.5KVAC for 2~5s, Min 2KVAC	Shall be no abnormality
Insulation resistance	VR=500VAC, Vt=500VDC, 250VAC ≤VR < 500VAC, Charge Time: 60±5 sec	Cn≤0.33uF IR≥15,000MΩ Cn>0.33uF IR≥5000(MΩ*uF)/C
Dissipation Factor	1KHz, 20°C, 0.1uF≤Cn≤1.0uF	DF: ≤ 0.001 (0.1%)
Tensile Strength of Terminal	Apply 1.0Kg 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 Strength of Terminal	Apply 0.5Kg for 2 cycles. Each cycle includes: 90°once, return to its initial position for 2-3 sec and then to the opposite direction once	Shall be no abnormality
Vibration Resistance	Frequency change: 1min/cycle 10~55~10Hz Vibration distance:1.5mm, Direction: X, Y, Z Time : 2+1/-0hrs each direction	Appearance : No mechanical Damage Connection: Shall be no short or open
Solder-ability	Solder temperature: 235±5°C, Immersion time: 2±0.5sec	More than 90% of circumferential surface of lead wire shall be covered with new solder

EMI Suppression Capacitors

Y2 Class THB type

MEYT-300V Series

MERITEK

RELIABILITY AND TEST CONDITIONS

Item	Test Condition	Requirement																		
Damp Heat	Temperature: 40°C ± 2°C, Humidity: 90%~95% RH; Duration:56 days; After test, let rest for 1.5±0.5hr at ordinary condition before making measurements.																			
Dry Heat Resistance	Temperature: 110°C ± 2°C, Times: 16 +1/-0Hrs																			
Cold Resistance	Temperature: -40±3°C, Times: 2±1Hrs																			
Temperature Cycle	Test Temperature Cycle: Total 5 cycles. Each cycle includes <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Cycle</th> <th>Temperature</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+20±2°C</td> <td>3 min</td> </tr> <tr> <td>2</td> <td>-40±3°C</td> <td>30min</td> </tr> <tr> <td>3</td> <td>+20±2°C</td> <td>3 min</td> </tr> <tr> <td>4</td> <td>+110±3°C</td> <td>30min</td> </tr> <tr> <td>5</td> <td>+20±2°C</td> <td>3 min</td> </tr> </tbody> </table> After test, let rest for 1.5±0.5hr at ordinary condition before making measurements.	Cycle	Temperature	Time	1	+20±2°C	3 min	2	-40±3°C	30min	3	+20±2°C	3 min	4	+110±3°C	30min	5	+20±2°C	3 min	Appearance : No Visible Damage $\Delta C/C: \leq \pm 5\%$ of the value before test DF: ≤ 0.002 (0.2%) Max at 1KHz IR: $\geq 50\%$ of the rated value
Cycle	Temperature	Time																		
1	+20±2°C	3 min																		
2	-40±3°C	30min																		
3	+20±2°C	3 min																		
4	+110±3°C	30min																		
5	+20±2°C	3 min																		
Endurance	Duration: 1000Hrs, Temperature: +110± 2°C Voltage: 1.7 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 47Ω±5%.	Appearance : No Visible Damage $\Delta C/C: \leq \pm 10\%$ of the value before test DF: ≤ 0.008 (0.8%) Max at 1KHz IR: $\geq 50\%$ of the rated value																		
Resistance to Soldering Heat	Preheat Temp. and Duration: 100~120°C Preheat Duration: 60Sec max Temperature Increase by 3°C/Sec max Soldering Temperature: +260± 5°C Immersion Duration: 5±1Sec Immersion Depth: 4±0.8mm from roots	Appearance : No Visible Damage $\Delta C/C: \leq \pm 3\%$ of the value before test IR: $\geq 50\%$ of the rated value Connection: Shall be Stable																		
Moisture Resistance Loading	Temperature: +40±2°C; Humidity: 87%~93% R.H.; Voltage: rated voltage; Duration: 500Hrs; After test, let rest for 1.5±0.5hr at ordinary condition before making measurements.	Appearance : No Visible Damage $\Delta C/C: \leq \pm 5\%$ of the value before test DF: ≤ 0.002 (0.2%) Max at 1KHz IR: $\geq 50\%$ of the rated value																		
Damp Heat Steady State	Temperature: +85±2°C; Humidity: 85±2% RH; Voltage: rated voltage; Duration:56 +24-0 days; After test, let rest for 1.5±0.5hr at ordinary condition before making measurements.	Appearance : No Visible Damage $\Delta C/C: \leq \pm 5\%$ of the value before test DF: ≤ 0.008 (0.8%) for C≤1uF DF: ≤ 0.005 (0.5%) for C>1uF at 1KHz IR: $\geq 50\%$ of the rated value																		
THB Test Damp Heat Test with Loading	Temperature: +85±2°C; Humidity: 85±2% RH; Voltage: 3000VAC; Duration:1000 +24-0 Hrs; After test, let rest for 1.5±0.5hr at ordinary condition before making measurements.	Appearance : No Visible Damage $\Delta C/C: \leq \pm 10\%$ of the value before test DF: ≤ 0.024 (2.4%) for C≤1uF DF: ≤ 0.015 (1.5%) for C>1uF 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. A storage needs to be kept indoors at -10~+40°C and relative humidity of under 75% without any sudden temperature changes, direct sunlight and corrosive gas around
3. Do not apply and exceeding vibration, shock (dropping) and pressure

*Specifications subject to change without notice.