

# EMI Suppression Capacitor



MEX Series

Class-X1/300Vac/275Vac

MERITEK

## FEATURES

- 10mm to 27.5mm lead pitch
- Self-healing properties
- High moisture resistance
- Over-voltage stress withstanding
- UL/CSA and European safety regulations class X1 (meet EN132400 1994/IEC384-14 2nd 1993)
- Flame retardant plastic case and epoxy resin (UL 94V-0)

UL E197475 VDE 40010750

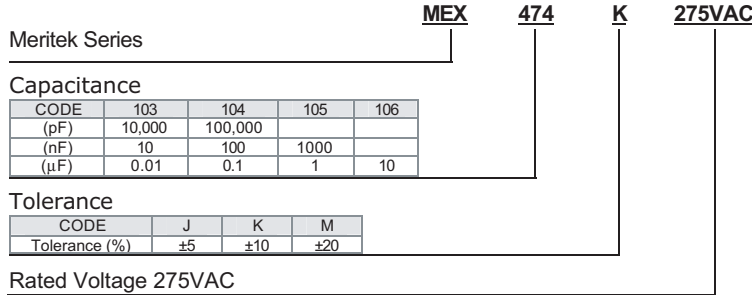


## SPECIFICATIONS

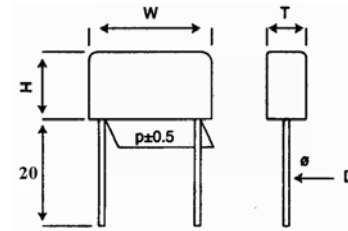
1. Operating temperature: -40°C to +100°C
2. Capacitance range: 0.001μF to 2.2μF
3. Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 300Vac/275 Vac, 50/60Hz
5. Dissipation factor: 1.0% max. at 1KHz, 25°C
6. Insulation resistance: (Measured after charging 100 ±15VDC for 1 minute)  
>30000MΩ (C ≤ 0.33μF)  
>10000MΩ • μF (C > 0.33μF)
7. Dielectric strength: 1183VDC for 1 minute or 2kVDC for 1 sec.
8. Maximum pulse rise time: 120V/μsec. at 250VAC

MEX are constructed with special metallized polypropylene film dielectric, tinned copper wire leads, encapsulated in plastic case with a non-inductive epoxy resin seal. They are ideal for line bypass, across-the-line, antenna coupling, spark killer circuits, switching power supply and EMI filter applications.

## PART NUMBERING SYSTEM



Optional suffix may be added to denote custom features



UF	SIZE	CODE	CASE SIZE/MM					UF	SIZE	CODE	CASE SIZE/MM				
			W	H	T	P	D				W	H	T	P	D
0.001		102	13	9	4	10	0.6	0.1	104(S)	18	11	5	15	0.8	
0.0012		122	13	9	4	10	0.6	0.1	104	18	13.5	6	15	0.8	
0.0015		152	13	9	4	10	0.6	0.12	124	18	14	8.5	15	0.8	
0.0018		182	13	9	4	10	0.6	0.15	154	18	14.5	8.5	15	0.8	
0.0022		222	13	9	4	10	0.6	0.18	184	26.5	16.5	7.0	22.5	0.8	
0.0027		272	13	9	4	10	0.6	0.22	224	26.5	16.5	7.0	22.5	0.8	
0.0033		332	13	9	4	10	0.6	0.27	274	26.5	17.5	8.5	22.5	0.8	
0.0039		392	13	9	4	10	0.6	0.33	334	26.5	17.5	8.5	22.5	0.8	
0.0047		472	13	11	5	10	0.6	0.39	394	26.5	20	10	22.5	0.8	
0.0056		562	13	11	5	10	0.6	0.47	474(S)	26.5	20	10	22.5	0.8	
0.0068		682	13	11	5	10	0.6	0.47	474	32	20	11	27.5	0.8	
0.0082		822	13	11	5	10	0.6	0.56	564	32	20	11	27.5	0.8	
0.010		103	13	11	5	10	0.6	0.68	684	32	20	11	27.5	0.8	
0.012		123	13	11	5	10	0.6	0.82	824	32	22	13	27.5	0.8	
0.015		153	13	11	5	10	0.6	1.0	105(S)	32	22	13	27.5	0.8	
0.018		183	13	12	6	10	0.6	1.0	105	37	24	13.5	31.5	0.8	
0.022		223	13	12	6	10	0.6	1.2	125	37	24	13.5	31.5	0.8	
0.027		273	13	12	6	10	0.6	1.5	155(S)	32	15	30	27.5	0.8	
0.033		333	13	12	6	10	0.8	1.5	155	37	26.5	16	31.5	0.8	
0.039		393	13	12	6	10	0.8	1.8	185	37	28.5	18	31.5	0.8	
0.047		473	13	12	6	10	0.8	2.2	225(S)	32	33	18	27.5	0.8	
0.056		563	18	12	6	15	0.8	2.2	225	37	28.5	18	31.5	0.8	
0.068		683	18	12	6	15	0.8	3.3	335	39	32	22	31.5	0.8	
0.082		823	18	13	7.5	15	0.8	4.7	475	51	32.5	22	44.5	0.8	