COMPONENT SPECIFICATION

SERIES NAME Metallized Polyester Round Axial Film Capacitor MPET Round Axial **SERIES CODE** 12



GIVEN BY: DEKI ELECTRONICS LTD

DEKI ELECTRONICS LTD

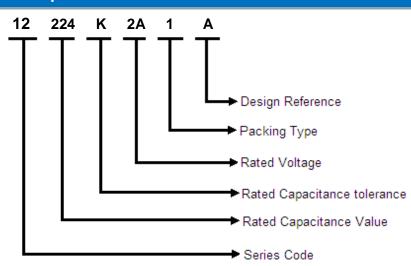
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Metallized Polyester Round Axial Film Capacitor

MPET Round Axial • Series Code 12



Item Code Description



Rated Capacitance

Three-digit (224) indicate rated capacitance in Pico Farad (First two digits indicate value & third digit indicates number of zeroes to be suffixed to first two digits).

For example:

$103 = 10 \times 104 = 10 \times 104 \times 1000 \times 1000$	10 ³ 10 ⁴	= 10000 pF	=	10 nF 100 nF	=0.01 µF
104 = 10 x 105 = 10 x	10 ⁵	= 100000 pF = 1000000 pF	=	1000 nF	=0.1 μF =1 μF
$106 = 10 \times$	10 ⁶	= 1000000 pF	=	10000 nF	=10 µF

Capacitance Tolerance

 $F = \pm 1\%$, $G = \pm 2\%$, $H = \pm 2.5\%$, $I = \pm 3.5\%$, $J = \pm 5\%$, $K = \pm 10\%$, $L = \pm 15\%$, $M = \pm 20\%$, $N = \pm 40\%$

Rated Voltage

One digit and one letter (2A) or two digits (05) indicate rated voltage

Rated Voltage Codification

For DC Rated Voltage													
A	۱.	В (C D		E		F		G			
1A	10	1B	12.5	1C	16	1D	20	1E	25	1F	30	1G	40
2A	100	2B	125	2C	160	2D	200	2E	250	2F	300	2G	400
ЗA	1000	3B	1250	3C	1600	3D	2000	3E	2500	3F	3000	3G	4000
F	1			J		K		Ĺ		M		Ν	
1H	50	11	45	1J	63	1K	70	1L	80	1M	85	1N	90
2H	500	21	450	2J	630	2K	700	2L	800	2M	850	2N	900
ЗH	5000	31	4500	3J	6300	3K	7000	3L	8000	3M	8500	3N	9000
C)	F	P Q		R S		U		V				
10	110	1P	120	1Q	57.5	1R	15	1S	17	1U	130	1V	60
20	1100	2P	1200	2Q	575	2R	150	2S	170	2U	1300	2V	600
30	11000	3P	12000	3Q	5750	3R	1500	3S	1700	3U	13000	3V	6000
For AC Rated Voltage													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
190	250	275	305	310	440	500	600	700	63	230	330	400	450
VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC

MPET Round Axial • Series Code 12



Packing Type

- 1: Bulk packing (original pitch)
- 2: Bulk packing (after forming & cutting)
- 3: Ammo packing (after forming & taping)
- 4: Bulk packing (after forming in original pitch without cut)
- 5: Bulk packing (after formed & without cut)
- 6: Ammo packing (Straight lead)
- 7: Bulk packing (Straight lead cut)
- 8: Reel packing (Straight lead)

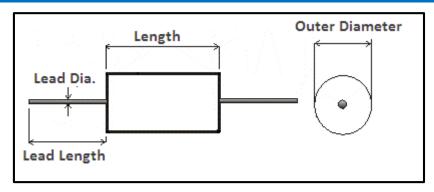
Reference Data

Capacitance	0.01µF to 15µF
Capacitance tolerance	±10%
Rated DC Voltage	100Vdc to 1000Vdc
Climatic testing class according to IEC 60068-1	40/100/21
Maximum application temperature	100°C
Rated temperature	85°C
Reference standards	IEC 60384-2
Dielectric	Polyester
Electrodes	Metallized
Construction	Mono
Encapsulation	Polyester tape wrapped
Leads	Tinned wire
Marking on capacitor body	Type of capacitor, rated capacitance, rated tolerance and rated voltage will be available on each and every capacitor. Example- MPET D105K2J

Compatibility to RoHS



Dimensions Description





Voltage Capacitance Length Outer Diameter Lead Dia. Lead Length 100Vdc 0.1 15 9 0.6 30 12 104 K 2A 1 A 0.22 15 10.5 0.6 30 12 224 K 2A 1 A 0.47 20.5 10 0.8 30 12 474 K 2A 1 A 0.47 20.5 10 0.8 30 12 474 K 2A 1 B 1 20.5 10 0.8 30 12 474 K 2A 1 B 1 20.5 11.5 0.8 35 12 205 K 2A 1 L 2 20.5 11.5 0.8 35 12 205 K 2A 1 Z 160Vdc 1 20.5 10 0.8 47.5 12 105 K 2C 1 Z 250Vdc 0.033 15 8.5 0.6 30 12 33 K 2E 1 A 0.407 15 9 0.6 30 12 474 K 2E 1 Z 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 C 0.47 20.5 9.5 <th>Rated</th> <th>Rated</th> <th colspan="4">Dimensions (mm)</th> <th>Item Code</th>	Rated	Rated	Dimensions (mm)				Item Code
100Vdc 0.1 15 9 0.6 30 12 104 K 2A 1 A 0.22 15 10.5 0.6 30 12 224 K 2A 1 A 0.47 20.5 10 0.8 30 12 474 K 2A 1 A 0.47 20.5 10 0.8 30 12 474 K 2A 1 B 1 20.5 11.5 0.8 30 12 105 K 2A 1 A 2 20.5 11.5 0.8 35 12 205 K 2A 1 L 2 20.5 11.5 0.8 35 12 205 K 2A 1 L 160Vdc 1 20.5 10 0.8 47.5 12 105 K 2C 1 Z 250Vdc 0.033 15 8.5 0.6 30 12 473 K 2E 1 A 0.047 15 9 0.6 30 12 24 K 2E 1 A 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 P 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6	Voltage	Capacitance	Length	Outer Diameter	Lead Dia.	Lead Length	
0.22 15 10.5 0.6 30 12 224 K 2A 1 A 0.47 20.5 10 0.8 30 12 474 K 2A 1 A 0.47 20.5 10 0.8 30 12 474 K 2A 1 B 1 20.5 12 0.8 30 12 474 K 2A 1 B 2 20.5 11.5 0.8 35 12 205 K 2A 1 L 2 20.5 11.5 0.8 35 12 205 K 2A 1 L 160Vdc 1 20.5 10 0.8 47.5 12 105 K 2C 1 Z 250Vdc 0.033 15 8.5 0.6 30 12 33 K 2E 1 A 0.047 15 9 0.6 30 12 473 K 2E 1 A 0.47 22 8 0.8 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30		(µF)	(Max)	(Max)	(±0.05)	(Min.)	
0.47 20.5 10 0.8 30 12 474 K 2A 1 A 0.47 20.5 10 0.8 30 12 474 K 2A 1 B 1 20.5 12 0.8 30 12 105 K 2A 1 A 2 20.5 11.5 0.8 35 12 205 K 2A 1 L 2 20.5 11.5 0.8 35 12 205 K 2A 1 Z 160Vdc 1 20.5 10 0.8 47.5 12 105 K 2C 1 Z 250Vdc 0.033 15 8.5 0.6 30 12 474 K 2E 1 A 0.047 15 9 06 30 12 474 K 2E 1 A 0.47 22 8 0.8 30 12 474 K 2E 1 A 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30	100Vdc	0.1	15	9	0.6	30	12 104 K 2A 1 A
0.47 20.5 10 0.8 30 12 474 K 2A 1 B 1 20.5 12 0.8 30 12 105 K 2A 1 A 2 20.5 11.5 0.8 35 12 205 K 2A 1 L 2 20.5 11.5 0.8 35 12 205 K 2A 1 Z 160Vdc 1 20.5 10 0.8 47.5 12 105 K 2C 1 Z 250Vdc 0.033 15 8.5 0.6 30 12 333 K 2E 1 A 0.047 15 9 0.6 30 12 474 K 2E 1 A 0.22 15 8.5 0.6 30 12 474 K 2E 1 A 0.47 22 8 0.8 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30		0.22	15	10.5	0.6	30	12 224 K 2A 1 A
1 20.5 12 0.8 30 12 105 K 2A 1 A 2 20.5 11.5 0.8 35 12 205 K 2A 1 L 2 20.5 11.5 0.8 35 12 205 K 2A 1 L 160Vdc 1 20.5 10 0.8 47.5 12 105 K 2C 1 Z 250Vdc 0.033 15 8.5 0.6 30 12 333 K 2E 1 A 0.047 15 9 0.6 30 12 473 K 2E 1 A 0.47 22 8 0.8 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 E 2.8 35.5 13.5 0.8 30		0.47	20.5	10	0.8	30	12 474 K 2A 1 A
2 20.5 11.5 0.8 35 12 205 K 2A 1 L 160Vdc 1 20.5 11.5 0.8 35 12 205 K 2A 1 Z 160Vdc 1 20.5 10 0.8 47.5 12 105 K 2C 1 Z 250Vdc 0.033 15 8.5 0.6 30 12 333 K 2E 1 A 0.047 15 9 0.6 30 12 473 K 2E 1 A 0.47 22 8 0.8 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 F 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 F 0.47 35.5 20 0.8 </td <td></td> <td>0.47</td> <td>20.5</td> <td>10</td> <td>0.8</td> <td>30</td> <td>12 474 K 2A 1 B</td>		0.47	20.5	10	0.8	30	12 474 K 2A 1 B
2 20.5 11.5 0.8 35 12 205 K 2A 1 Z 160Vdc 1 20.5 10 0.8 47.5 12 105 K 2C 1 Z 250Vdc 0.033 15 8.5 0.6 30 12 333 K 2E 1 A 0.047 15 9 0.6 30 12 473 K 2E 1 A 0.22 15 8.5 0.6 30 12 24 K 2E 1 A 0.47 22 8 0.8 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 E 2.8 35.5 13.5 0.8 30 12 28 K 2E 1 A 9 35.5 23.5 0.8 30		1	20.5	12	0.8	30	12 105 K 2A 1 A
160vdc 1 20.5 10 0.8 47.5 12 105 K 2C 1 Z 250vdc 0.033 15 8.5 0.6 30 12 333 K 2E 1 A 0.047 15 9 0.6 30 12 473 K 2E 1 A 0.22 15 8.5 0.6 30 12 24 K 2E 1 A 0.47 22 8 0.8 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 B 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 E 2.8 35.5 13.5 0.8 30 12 285 K 2E 1 A 9 35.5 23.5 0.8 30 12 905 K 2E 1 A 400vdc 0.047 15 9 0.6		2	20.5	11.5	0.8	35	12 205 K 2A 1 L
250Vdc 0.033 15 8.5 0.6 30 12 333 K 2E 1 A 0.047 15 9 0.6 30 12 473 K 2E 1 A 0.22 15 8.5 0.6 30 12 224 K 2E 1 A 0.47 22 8 0.8 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 30.5 13.5 0.8 30 12 285 K 2E 1 A 40 9 35.5 23.5 0.8 30 12 205 K 2E 1 A 9 35.5 23.5 0.8 30 12 905 K 2E 1 A 400Vdc 0.047 15 9 0.6		2	20.5	11.5	0.8	35	12 205 K 2A 1 Z
0.047 15 9 0.6 30 12 473 K 2E 1 A 0.22 15 8.5 0.6 30 12 224 K 2E 1 A 0.47 22 8 0.8 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 B 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 B 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 B 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 E 2.8 35.5 13.5 0.8 30 12 285 K 2E 1 A 6 35 21 0.8 30 12 205 K 2E 1 A 7 35 20 0.8 30 12 205 K 2E 1 A 9 35.5 23.5 0.8 30 12 905 K 2E 1 A 400Vdc 0.047 15 9 0.6 30 12 473 K 2G 1 A 0.22 21 10 0.8 30 12 224 K 2G 1 A <	160Vdc	1	20.5	10	0.8	47.5	12 105 K 2C 1 Z
0.22 15 8.5 0.6 30 12 224 K 2E 1 A 0.47 22 8 0.8 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 B 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 E 2.8 35.5 13.5 0.8 30 12 285 K 2E 1 A 6 35 21 0.8 30 12 205 K 2E 1 A 9 35.5 23.5 0.8 30 12 205 K 2E 1 A 400Vdc 0.047 15 9 0.6 30 12 473 K 26 1 A 0.22 21 10.5 0.6 30 12 24 K 26 1 A 0.22 21 10.5 0.8 30 12 24 K 26 1 A <td>250Vdc</td> <td>0.033</td> <td>15</td> <td>8.5</td> <td>0.6</td> <td>30</td> <td>12 333 K 2E 1 A</td>	250Vdc	0.033	15	8.5	0.6	30	12 333 K 2E 1 A
0.47 22 8 0.8 30 12 474 K 2E 1 C 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 B 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 E 2.8 35.5 13.5 0.8 30 12 285 K 2E 1 A 6 35 21 0.8 30 12 605 K 2E 1 A 7 35 20 0.8 30 12 705 K 2E 1 A 9 35.5 23.5 0.8 30 12 905 K 2E 1 A 400Vdc 0.047 15 9 0.6 30 12 473 K 2G 1 A 0.15 15 10.5 0.6 30 12 154 K 2G 1 A 0.22 21 10 0.8 30 12 24K K 2G 1 A 0.47 30 10 0.6 30 12 474 K 2G 1 A		0.047	15	9	0.6	30	12 473 K 2E 1 A
0.47 20.5 9.5 0.6 30 12 474 K 2E 1 B 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 0.47 20.5 9.5 0.6 30 12 474 K 2E 1 D 2.8 35.5 13.5 0.8 30 12 285 K 2E 1 A 6 35 21 0.8 30 12 605 K 2E 1 A 7 35 20 0.8 30 12 705 K 2E 1 A 9 35.5 23.5 0.8 30 12 905 K 2E 1 A 400Vdc 0.047 15 9 0.6 30 12 473 K 2G 1 A 400Vdc 0.047 15 9 0.6 30 12 473 K 2G 1 A 0.15 15 10.5 0.6 30 12 474 K 2G 1 A 0.22 21 10 0.8 30 12 24 K 2G 1 A 0.47 30 10 0.6 30 12 474 K 2G 1 A 0.47 29 12 0.6 30 12 4		0.22	15	8.5	0.6	30	12 224 K 2E 1 A
0.4720.59.50.63012 474 K 2E 1 D0.4720.59.50.63012 474 K 2E 1 E2.835.513.50.83012 285 K 2E 1 A635210.83012 605 K 2E 1 A735200.83012 705 K 2E 1 A935.523.50.83012 905 K 2E 1 A400Vdc0.0471590.63012 473 K 2G 1 A0.151510.50.63012 247 K 2G 1 A0.2221100.83012 224 K 2G 1 A0.4730100.63012 244 K 2G 1 A0.4730100.63012 474 K 2G 1 A15453113012 156 K 2G 1 A630Vdc0.01159.50.63012 103 K 2J 1 A0.0471590.63012 103 K 2J 1 A0.121100.83012 104 K 2J 1 A		0.47	22	8	0.8	30	12 474 K 2E 1 C
0.4720.59.50.63012 474 K 2E 1 E2.835.513.50.83012 285 K 2E 1 A635210.83012 605 K 2E 1 A735200.83012 705 K 2E 1 A935.523.50.83012 905 K 2E 1 A400Vdc0.0471590.63012 473 K 2G 1 A0.151510.50.63012 154 K 2G 1 A0.2221100.83012 254 K 2G 1 A0.4730100.63012 254 K 2G 1 A0.4730100.63012 474 K 2G 1 A0.4729120.63012 474 K 2G 1 A630Vdc0.01159.50.63012 474 K 2G 1 A0.047159.50.63012 474 K 2G 1 A0.047159.50.63012 474 K 2G 1 A0.047159.50.63012 103 K 2J 1 A0.121100.83012 104 K 2J 1 A		0.47	20.5	9.5	0.6	30	12 474 K 2E 1 B
2.835.513.50.83012 285 K 2E 1 A635210.83012 605 K 2E 1 A735200.83012 705 K 2E 1 A935.523.50.83012 905 K 2E 1 A400Vdc0.0471590.63012 473 K 2G 1 A0.151510.50.63012 154 K 2G 1 A0.2221100.83012 224 K 2G 1 A0.4730100.63012 254 K 2G 1 A0.4730100.63012 474 K 2G 1 A0.4729120.63012 474 K 2G 1 A15453113012 156 K 2G 1 A630Vdc0.01159.50.63012 103 K 2J 1 A0.0471590.63012 103 K 2J 1 A0.121100.83012 104 K 2J 1 A		0.47	20.5	9.5	0.6	30	12 474 K 2E 1 D
635210.83012 605 K 2E 1 A735200.83012 705 K 2E 1 A935.523.50.83012 905 K 2E 1 A400Vdc0.0471590.63012 473 K 2G 1 A0.151510.50.63012 154 K 2G 1 A0.2221100.83012 224 K 2G 1 A0.252210.50.83012 254 K 2G 1 A0.4730100.63012 474 K 2G 1 A0.4729120.63012 474 K 2G 1 A15453113012 105 K 2E 1 A630Vdc0.01159.50.63012 474 K 2G 1 A0.0471590.63012 474 K 2G 1 A0.121100.83012 104 K 2J 1 A		0.47	20.5	9.5	0.6	30	12 474 K 2E 1 E
735200.83012 705 K 2E 1 A935.523.50.83012 905 K 2E 1 A400Vdc0.0471590.63012 473 K 2G 1 A0.151510.50.63012 154 K 2G 1 A0.2221100.83012 224 K 2G 1 A0.252210.50.83012 254 K 2G 1 A0.4730100.63012 474 K 2G 1 A0.4729120.63012 474 K 2G 1 A15453113012 156 K 2G 1 A630Vdc0.01159.50.63012 103 K 2J 1 A0.121100.83012 473 K 2J 1 A		2.8	35.5	13.5	0.8	30	12 285 K 2E 1 A
9 35.5 23.5 0.8 30 12 905 K 2E 1 A 400Vdc 0.047 15 9 0.6 30 12 473 K 2G 1 A 0.15 15 10.5 0.6 30 12 154 K 2G 1 A 0.22 21 10 0.8 30 12 224 K 2G 1 A 0.25 22 10.5 0.6 30 12 24 K 2G 1 A 0.47 30 10 0.8 30 12 24 K 2G 1 A 0.47 30 10 0.6 30 12 474 K 2G 1 A 0.47 29 12 0.6 30 12 474 K 2G 1 A 630Vdc 0.01 15 9.5 0.6 30 12 156 K 2G 1 A 630Vdc 0.01 15 9.5 0.6 30 12 103 K 2J 1 A 0.1 21 10 0.8 30 12 104 K 2J 1 A		6	35	21	0.8	30	12 605 K 2E 1 A
400Vdc0.0471590.63012 473 K 2G 1 A0.151510.50.63012 154 K 2G 1 A0.2221100.83012 224 K 2G 1 A0.252210.50.83012 254 K 2G 1 A0.4730100.63012 474 K 2G 1 A0.4729120.63012 474 K 2G 1 B15453113012 156 K 2G 1 A630Vdc0.01159.50.63012 103 K 2J 1 A0.0471590.63012 473 K 2J 1 A0.121100.83012 104 K 2J 1 A		7	35	20	0.8	30	12 705 K 2E 1 A
0.151510.50.63012 154 K 2G 1 A0.2221100.83012 224 K 2G 1 A0.252210.50.83012 254 K 2G 1 A0.4730100.63012 474 K 2G 1 A0.4729120.63012 474 K 2G 1 B15453113012 156 K 2G 1 A630Vdc0.01159.50.63012 103 K 2J 1 A0.0471590.63012 473 K 2J 1 A		9	35.5	23.5	0.8	30	12 905 K 2E 1 A
0.2221100.83012 224 K 2G 1 A0.252210.50.83012 254 K 2G 1 A0.4730100.63012 474 K 2G 1 A0.4729120.63012 474 K 2G 1 B15453113012 156 K 2G 1 A630Vdc0.01159.50.63012 103 K 2J 1 A0.0471590.63012 473 K 2J 1 A0.121100.83012 104 K 2J 1 A	400Vdc	0.047	15	9	0.6	30	12 473 K 2G 1 A
0.25 22 10.5 0.8 30 12 254 K 2G 1 A 0.47 30 10 0.6 30 12 474 K 2G 1 A 0.47 29 12 0.6 30 12 474 K 2G 1 B 15 45 31 1 30 12 156 K 2G 1 A 630Vdc 0.01 15 9.5 0.6 30 12 103 K 2J 1 A 0.047 15 9 0.6 30 12 103 K 2J 1 A 0.047 15 9 0.6 30 12 104 K 2J 1 A		0.15	15	10.5	0.6	30	12 154 K 2G 1 A
0.47 30 10 0.6 30 12 474 K 2G 1 A 0.47 29 12 0.6 30 12 474 K 2G 1 B 15 45 31 1 30 12 156 K 2G 1 A 630Vdc 0.01 15 9.5 0.6 30 12 103 K 2J 1 A 0.047 15 9 0.6 30 12 473 K 2J 1 A 0.1 21 10 0.8 30 12 104 K 2J 1 A		0.22	21	10	0.8	30	12 224 K 2G 1 A
0.47 29 12 0.6 30 12 474 K 2G 1 B 15 45 31 1 30 12 156 K 2G 1 A 630Vdc 0.01 15 9.5 0.6 30 12 103 K 2J 1 A 0.047 15 9 0.6 30 12 473 K 2J 1 A 0.047 15 9 0.6 30 12 473 K 2J 1 A 0.1 21 10 0.8 30 12 104 K 2J 1 A		0.25	22	10.5	0.8	30	12 254 K 2G 1 A
15 45 31 1 30 12 156 K 2G 1 A 630Vdc 0.01 15 9.5 0.6 30 12 103 K 2J 1 A 0.047 15 9 0.6 30 12 473 K 2J 1 A 0.1 21 10 0.8 30 12 104 K 2J 1 A		0.47	30	10	0.6	30	12 474 K 2G 1 A
630Vdc 0.01 15 9.5 0.6 30 12 103 K 2J 1 A 0.047 15 9 0.6 30 12 473 K 2J 1 A 0.1 21 10 0.8 30 12 104 K 2J 1 A		0.47	29	12	0.6	30	12 474 K 2G 1 B
0.0471590.63012 473 K 2J 1 A0.121100.83012 104 K 2J 1 A		15	45	31	1	30	12 156 K 2G 1 A
0.1 21 10 0.8 30 12 104 K 2J 1 A	630Vdc	0.01	15	9.5	0.6	30	12 103 K 2J 1 A
		0.047	15	9	0.6	30	12 473 K 2J 1 A
		0.1	21	10	0.8	30	12 104 K 2J 1 A
1000Vdc 0.01 15 9.5 0.6 30 12 103 K 3A 1 A	1000Vdc	0.01	15	9.5	0.6	30	12 103 K 3A 1 A
0.1 29 12 0.8 35 12 104 K 3A 1 B		0.1	29	12	0.8	35	12 104 K 3A 1 B



Specific Data				
Description	Value			
Maximum tangent of loss angle (Tan δ)	Frequency	C _R ≤0.1µF	0.1µF <c<sub>R≤1</c<sub>	μF C _R >1μF
	1 kHz	0.008	0.01	0.01
	10 kHz	0.015	0.02	-
	100 kHz	0.03	-	-
Voltage proof test between leads	1.6 times of the r	rated DC voltage fo	r 2 second	
Insulation Resistance (Ris)	Rated Voltage	C _R ≤0.33 µ	ıF (C _R >0.33 µF
(or) time constant $T = C_R \times R_{IS}$	≤100 Vdc	≥3750 MΩ	2 2	≥1250 s
at 25° C, relative humidity ≤70%	>100 Vdc	≥7500 MΩ	2 2	≥2500 s

Endurance Test

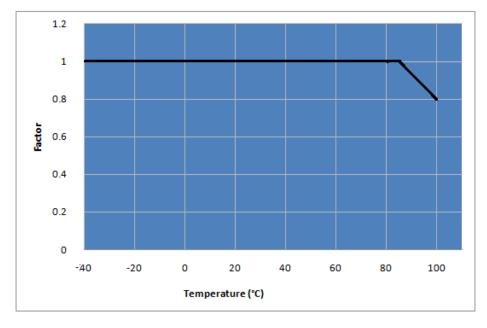
Loaded at 1.25 times of rated voltage at 85°C or 1.25 times of the category voltage at 100°C for 1000 hours. Category voltage is 80% of the rated voltage.

After The Test

ΔC/C	:	≤ 5% of initial value.
Increase of Tano	:	≤ 0.005
Insulation Resistance	:	\geq 50% of the value mentioned in specific data.

Temperature Derating Graph

For temperature between 85°C and 100°C a derating factor of 1.25% per °C on the rated voltage V_R has to be applied.





Storage Conditions

Avoid storing the capacitors in places where the environmental conditions differ from the following:

- Storage time: \leq 24 months from the date marked on the label glued to the package.
- Temperature: -40 to 80°C
- Humidity: •

- Average per year:

- For 30 full days randomly distributed throughout the year: ≤85%

- Dew:

absent After a longer period of storage or use, the tolerance can increase; but, according to standard specification, it may

≤70%

never exceed twice the value measured at the time of delivery.

Disclaimer

All our capacitors are designed, manufactured and tested to specifications. We strictly adhere to standards in procurement of materials, in the laid down manufacturing processes and consistently apply stringent process controls and testing parameters. This ensures that our capacitors always perform to the offered specifications.

Appropriateness of use in a specific circuit and fitness to a particular application however needs to be verified and its reliability through expected lifetime is required to be validated by the customer. Deki's responsibility is limited to ensuring that the capacitor performs as claimed in the specification/ data sheets provided by Deki. Deki specifically disclaims any implied warranties of fitness for any particular purpose. Liability, in any case is limited to the price paid for the capacitors.