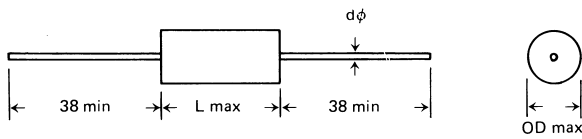


METALLIZED POLYPROPYLENE (OPP), NON-INDUCTIVE, WRAP & FILL

SPECIFICATIONS



Performance Characteristics	
Operating Temperature Range	-55°C ~ +105°C.
Voltage Range	600VDC ~ 3000VDC.
Capacitance Range	0.01µF ~ 4.7µF.
Capacitance Tolerance	±10%.

High dv/dt.

Type 2101V round, axial film capacitors use polypropylene film and dual metallized electrodes for both self healing properties and high peak current carrying capability (dv/dt). This series features low ESR characteristics, excellent high frequency and high voltage capabilities.

PART NUMBERING

Part Number Example: 2101V-1K0/105K F						
2101V	-	1K0	/	105	K	F
Type		Rated DC Voltage		Capacitance Code (µF)*	Tolerance Code	RoHs Compliant

* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).

Cap. (µF)	D (Inches (mm))	L (Inches (mm))	d (Inches (mm))	Typical ESR mΩ	Typ. ESL mH	dv/dt V/us	1 Peak A	IRMS A
600VDC (275VAC)								
0.10	0.354 (9.0)	1.339 (34.0)	0.032 (0.8)	28	19	196	20	2.5
0.15	0.413 (10.3)	1.339 (34.0)	0.040 (1.0)	13	20	196	29	4.0
0.22	0.453 (11.5)	1.339 (34.0)	0.040 (1.0)	12	20	196	43	4.4
0.33	0.531 (13.5)	1.339 (34.0)	0.040 (1.0)	9	21	196	65	5.6
0.47	0.610 (15.5)	1.339 (34.0)	0.040 (1.0)	7	22	196	92	6.9
0.68	0.709 (18.0)	1.339 (34.0)	0.040 (1.0)	6	23	196	134	8.1
1.0	0.827 (21.0)	1.339 (34.0)	0.040 (1.0)	6	24	196	196	8.9
1.5	0.984 (25.0)	1.339 (34.0)	0.047 (1.2)	5	28	196	295	10.9
2.0	0.925 (23.5)	1.811 (46.0)	0.047 (1.2)	5	31	128	255	11.8
3.3	1.063 (27.0)	2.126 (54.0)	0.047 (1.2)	4	36	105	346	15.3
4.7	1.240 (31.5)	2.126 (54.0)	0.047 (1.2)	4	38	105	492	16.8
850VDC (450VAC)								
0.15	0.512 (13.0)	1.339 (34.0)	0.040 (1.0)	8	21	713	107	6.8
0.22	0.610 (15.0)	1.339 (34.0)	0.040 (1.0)	8	22	713	157	6.4
0.33	0.709 (18.0)	1.339 (34.0)	0.040 (1.0)	7	23	713	235	7.5
0.47	0.827 (21.0)	1.339 (34.0)	0.040 (1.0)	5	24	713	335	9.8
0.68	0.965 (24.5)	1.339 (34.0)	0.047 (1.2)	4	26	713	485	12.0w
1.0	0.886 (22.5)	1.811 (46.0)	0.047 (1.2)	5	30	400	400	11.5
1.5	1.083 (27.0)	1.811 (46.0)	0.047 (1.2)	4	32	400	600	14.3
2.0	1.200 (30.6)	1.811 (46.0)	0.047 (1.2)	3	34	400	800	17.9
2.2	1.260 (32.0)	1.811 (46.0)	0.047 (1.2)	3	34	400	880	18.4
2.5	1.339 (34.0)	1.811 (46.0)	0.047 (1.2)	3	35	400	1000	19.1

RATINGS AND DIMENSIONS

Cap. (μ F)	D (Inches (mm))		L (Inches (mm))		d (Inches (mm))		Typical ESR m Ω	Typ. ESL mH	dV/dt V/us	1 Peak A	IRMS A
1000VDC (500VAC)											
0.150	0.591	(15.0)	1.339	(34.0)	0.040	(1.0)	7	22	856	128	6.7
0.220	0.688	(17.5)	1.339	(34.0)	0.040	(1.0)	7	23	856	188	7.4
0.330	0.807	(20.5)	1.339	(34.0)	0.040	(1.0)	6	24	856	283	8.8
0.470	0.945	(24.0)	1.339	(34.0)	0.047	(1.2)	6	26	856	402	10.6
0.680	1.102	(28.0)	1.339	(34.0)	0.047	(1.2)	5	27	856	582	11.7
1.000	1.024	(28.0)	1.811	(46.0)	0.047	(1.2)	5	32	480	480	12.5
1.500	1.220	(31.0)	1.811	(46.0)	0.047	(1.2)	4	34	480	720	15.8
2.000	1.398	(35.5)	1.811	(46.0)	0.047	(1.2)	3	36	480	960	19.6
1200VDC (500VAC)											
0.100	0.610	(15.5)	1.339	(34.0)	0.040	(1.0)	9	22	1142	114	6.1
0.150	0.728	(18.5)	1.339	(34.0)	0.040	(1.0)	7	23	1142	171	7.6
0.220	0.846	(21.5)	1.339	(34.0)	0.040	(1.0)	7	24	1142	251	8.4
0.330	0.787	(20.0)	1.811	(46.0)	0.040	(1.0)	7	29	640	211	9.0
0.470	0.906	(23.0)	1.811	(46.0)	0.047	(1.2)	7	30	640	301	9.8
0.680	1.083	(27.0)	1.811	(46.0)	0.047	(1.2)	8	32	640	435	11.7
1.000	1.288	(33.0)	1.811	(46.0)	0.047	(1.2)	5	35	640	640	14.5
1.500	1.378	(35.0)	2.126	(54.0)	0.047	(1.2)	4	39	502	754	17.9
1600VDC (630VAC)											
0.100	0.709	(18.0)	1.339	(34.0)	0.040	(1.0)	7	23	1427	143	7.5
0.150	0.846	(21.5)	1.339	(34.0)	0.040	(1.0)	5	24	1427	214	9.9
0.220	1.004	(25.5)	1.339	(34.0)	0.047	(1.2)	7	26	1427	314	9.3
0.330	0.925	(23.5)	1.811	(46.0)	0.047	(1.2)	7	31	800	264	10.0
0.470	1.083	(27.0)	1.811	(46.0)	0.047	(1.2)	8	32	800	378	11.8
0.680	1.280	(32.5)	1.811	(46.0)	0.047	(1.2)	8	36	800	544	13.1
1.000	1.535	(38.0)	1.811	(46.0)	0.047	(1.2)	5	37	800	800	16.2
1.500	1.654	(42.0)	2.126	(54.0)	0.047	(1.2)	4	42	628	942	20.1
2000VDC (630VAC)											
0.022	0.453	(11.5)	1.339	(34.0)	0.040	(1.0)	35	6	1712	38	2.5
0.033	0.531	(13.5)	1.339	(34.0)	0.040	(1.0)	20	21	1712	57	3.8
0.047	0.591	(15.0)	1.339	(34.0)	0.040	(1.0)	12	22	1712	80	5.2
0.068	0.689	(17.5)	1.339	(34.0)	0.040	(1.0)	8	23	1712	116	6.9
0.100	0.827	(21.0)	1.339	(34.0)	0.040	(1.0)	7	24	1712	171	8.3
0.150	0.768	(19.5)	1.811	(46.0)	0.040	(1.0)	7	29	960	144	8.9
0.220	0.866	(22.0)	1.811	(46.0)	0.040	(1.0)	8	30	960	211	9.0
0.330	1.063	(27.0)	1.811	(46.0)	0.047	(1.2)	8	32	980	317	10.1
0.470	1.280	(32.0)	1.811	(46.0)	0.047	(1.2)	8	34	980	451	19.0
0.580	1.220	(31.0)	2.126	(54.0)	0.047	(1.2)	7	37	754	422	12.6
0.680	1.339	(34.0)	2.126	(54.0)	0.047	(1.2)	6	39	754	513	14.3
1.000	1.614	(41.0)	2.126	(54.0)	0.047	(1.2)	5	42	754	754	17.7
3000VDC (750VAC)											
0.010	0.453	(11.5)	1.339	(34.0)	0.040	(1.0)	60	20	2588	28	2.0
0.015	0.531	(13.5)	1.339	(34.0)	0.040	(1.0)	40	21	2568	39	2.7
0.022	0.610	(15.5)	1.339	(34.0)	0.040	(1.0)	25	22	2588	57	3.6
0.033	0.709	(18.0)	1.339	(34.0)	0.040	(1.0)	14	23	2568	85	5.3
0.047	0.650	(16.5)	1.811	(46.0)	0.040	(1.0)	14	28	1440	68	5.7
0.068	0.748	(19.0)	1.811	(46.0)	0.040	(1.0)	12	29	1440	98	6.7
0.100	0.886	(22.5)	1.811	(46.0)	0.047	(1.2)	10	30	1440	144	8.1
0.150	1.063	(27.0)	1.811	(46.0)	0.047	(1.2)	8	32	1440	216	10.1