METALLIZED POLYPROPYLENE FILM CAPACITOR

Features

For interference suppression and.
Light and small in size.
Pitch 10mm available now for 0.010microF to 0.047 microF.

Specifications

Temp range	-40 to +110C	
Rated Voltage	275 V.a.c	
Capacitance	0.010 to 4.7microF (E-6)	
Cap. Tolerance	+/-10%(K) +/-20%(M)	
Tangent of loss angle	0.001 less at 25C +/-5C 1kHz	
Withstand voltage	Between terminals	1500 V.a.c 1 min 1810 V.d.c 1 min
	Between terminal and case	2500 V.a.c 2 sec
Insulation resistance	Between terminals	C =< 0.33microF 100,000M-Ohm more C > 0.33microF 30,000S(M-Ohm)
Impulse voltage	IEC 60384-14 amendment A1: 1995 2nd Ed.'93 (EN 132400) PV =< 2.5kV	

Approvals

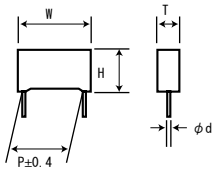
UL	UL 1414 (up to 1 microF)	File No.E97797	Across-the-line
	UL 1283	File No.E85238	Electromagnetic Interference Filters
CSA	CSA C22.2 No.1 (up to 1 microF)	File No.LR 83890	Across- the- line
VDE	EN 132400	File No.119624	Class X2
SEMKO	EN 132400	File No.9839064	Class X2
DEMKO	EN 132400	File No.99-01226	Class X2
NEMKO	EN 132400	File No.P99100831	Class X2
FIMKO	EN 132400	File No.F11586	Class X2
SEV	EN 132400	File No.99, 7 70207,01	Class X2
IMQ	EN 132400	File No.V4413	Class X2
	CB	File No.IT-1524	Class X2
OVE	EN 132400	File No.1275-005	Class X2
CCEE	GB/T14472	File No.CH0045034	Class X2

Dimensions (mm)

Parts number	*1	*2	Cap	(microF)	275 V.a.c W+/-0.5	H+0.2/-0.3	T+/-0.2	P+/-0.4	d+/-0.05	Max dv/dt at 390V.d.c(V/micro s)
R46 KF 2100	--	M1 -	103	0.010	13.0	11.0	5.0	10.0	0.6	500
R46 KF 2150	--	M1 -	153	0.015	13.0	11.0	5.0	10.0	0.6	500
R41 KF 2220	--	M1 -	223	0.022	13.0	11.0	5.0	10.0	0.6	500
R46 KF 2330	--	M1 -	333	0.033	13.0	11.0	5.0	10.0	0.6	500
R46 KF 2470	--	M1 -	473	0.047	13.0	12.0	6.0	10.0	0.6	500
R46 K I 2100	--	01 -	103	0.010	18.0	11.0	5.0	15.0	0.6	400
R46 K I 2150	--	01 -	153	0.015	18.0	11.0	5.0	15.0	0.6	400
R46 K I 2220	--	01 -	223	0.022	18.0	11.0	5.0	15.0	0.6	400
R46 K I 2470	--	01 -	473	0.047	18.0	11.0	5.0	15.0	0.6	400
R46 K I 2680	--	01 -	683	0.068	18.0	11.0	5.0	15.0	0.6	400
R46 K I 3100	--	M1 M	104	0.10	18.0	11.0	5.0	15.0	0.6	400
R46 K I 3150	--	M2 M	154	0.15	18.0	12.0	6.0	15.0	0.6	400
R46 K I 3220	--	M2 M	224	0.22	18.0	13.5	7.5	15.0	0.6	400
R46 K I 3330	--	M1 -	334	0.33	18.0	16.0	10.0	15.0	0.6	400
R46 K I 3470	--	M1 -	474	0.47	18.0	19.0	11.0	15.0	0.6	400
R46 KN 3150	--	01 -	154	0.15	26.5	15.0	6.0	22.5	0.8	200
R46 KN 3220	--	M1 -	224	0.22	26.5	15.0	6.0	22.5	0.8	200
R46 KN 3330	--	M1 -	334	0.33	26.5	16.0	7.0	22.5	0.8	200
R46 KN 3470	--	M1 -	474	0.47	26.5	17.0	8.5	22.5	0.8	200
R46 KN 3680	--	M2 -	684	0.68	26.5	18.5	10.0	22.5	0.8	200
R46 KN 4100	--	M1 -	105	1.0	26.5	22.0	13.0	22.5	0.8	200
R46 KR 3470	--	01 -	474	0.47	32.0	17.0	9.0	27.5	0.8	150
R46 KR 3680	--	01 -	684	0.68	32.0	17.0	9.0	27.5	0.8	150
R46 KR 4100	--	M1 -	105	1.0	32.0	20.0	11.0	27.5	0.8	150
R46 KR 4150	--	01 -	155	1.5	32.0	22.0	13.0	27.5	0.8	150
R46 KR 4220	--	M1 -	225	2.2	32.0	28.0	14.0	27.5	0.8	150
R46 KR 4330	--	M2 -	335	3.3	32.0	33.0	18.0	27.5	0.8	150
R46 KR 4470	--	M1 -	475	4.7	32.0	37.0	22.0	27.5	0.8	150
R46 KW 4220	--	M1 -	225	2.2	41.5	24.0	13.0	37.5	1.0	100
R46 KW 4330	--	M1 -	335	3.3	41.5	28.5	16.0	37.5	1.0	100
R46 KW 4470	--	M1 -	475	4.7	41.5	32.0	19.0	37.5	1.0	100

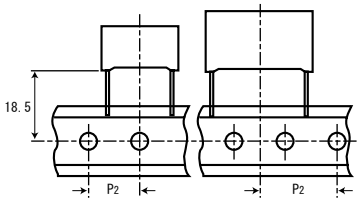
*1 Lead/Taping configuration code
*2 Capacitance tolerance : K(+/-10%) M(+/-20%)

Bulk

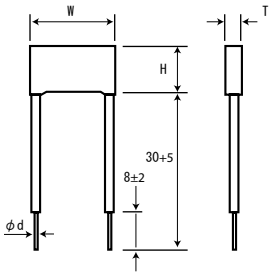


Taped

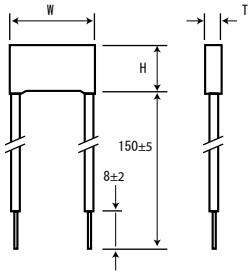
Fig. 1 Fig. 2



Insulated Rigid Leads



Insulated Flexible Leads 0.5mm²



Lead/Taping configuration	Lead length (mm)	Taping style P2 (mm)	Fig. (No.)	Pitch (mm)	*1 Lead/Taping configuration code
Ammo-pack		12.70	1	10.0/15.0	DQ
Ammo-pack		19.05	2	22.5	DQ
Reel 355mm		12.70	1	10.0/15.0	CK
Reel 500mm		19.05	2	22.5/27.5	CK
Bulk, short leads	4+2				00
Bulk, long leads	30+5				50
Bulk, insulated rigid leads	30+5				51
Bulk, insulated flexible leads	150+/-5				52

*Ammo-pack is the preferred packaging for taped version.

When using our capacitors, please consider the application notes on pages 8-15 and contact Nissei for any additional technical specifications relating to the limits of our performance characteristics.