

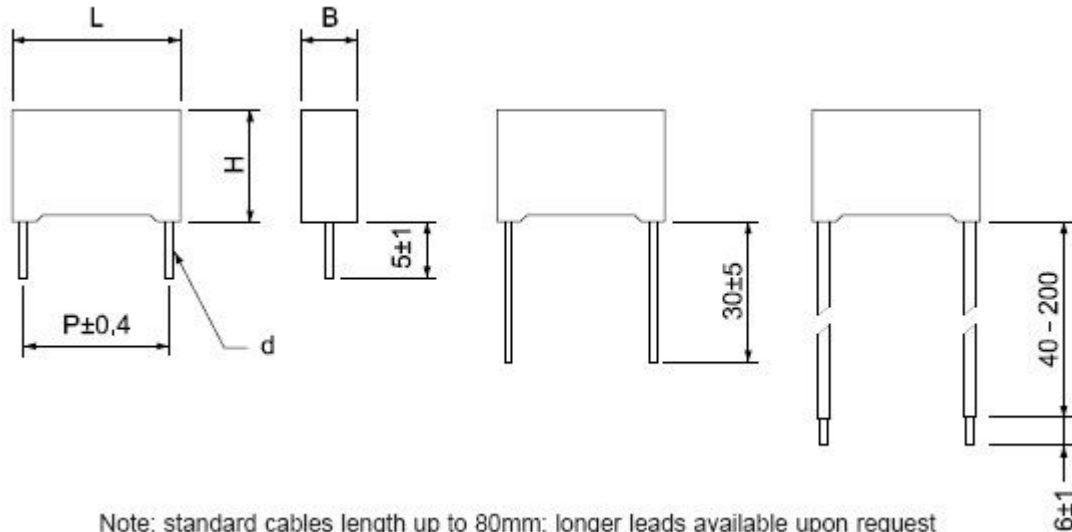
- FEATURES:** - Small size - Good dvdt - EN60252-1 rated
- APPLICATIONS:** - AC application - Switching power supplies
- AC/DC motor controls AP - motor run



Operating Temperature Range	-40°C to +105°C without use of approvals -25°C to +85°C for use of approvals				
Capacitance Tolerance	+/-10% at 1kHz, 20°C				
Rated Voltage	See Voltage Code Table				
	Voltage must be derated by 1.25% per °C exceeding 85°C				
Dissipation Factor (max) at 20°C	Freq(kHz)	C≤2.2μF	2.2μf<C≤15μF	15μf<C≤22μF	C>22μF
	1	.06%	.1%	.12%	.14%
Insulation Resistance @20°C (<70% RH) for 1 minute at 100VDC	> 10.000MΩx μF for C< 1μF >3000MΩx μF for C≥1μF				
Dielectric Strength	160% of rated VAC for 60 seconds at 20°C between leads. 200% of rated VAC for 60 seconds at 20°C between leads for EN 60252-1 approval. 3kv at 60HZ for 60 seconds between leads and case.				
Self Inductance	< 1nH/mm of lead spacing and lead wire length.				
Capacitance Drift	< 1.0% up to 40°C after 2 years				
Temperature Coefficient	-200ppm/°C + /-100ppm/°C				
Electrodes	Vacuum Deposited Metal Layers				
Construction	Metallized Film				
Leads	Solid or Stranded Tinned Copper Wire				
Coating	Solvent resistant plastic box (UL 94-V1) with epoxy fills (UL 94V-0)				

▲Part Numbering System

125	FR	104	*	1	#
Voltage	Type	Capacitance	Tolerance	Size	Pinslength
125=250vac	FR	104=0.1uf	K= ±10%	1	S=5mm
140=400vac		105=1uf	J= ±5%	2	L=30mm
150=500vac		106=10uf			C=40...200mm



▲ Electrical specifications

Part Number	Cap (µF)	Dimension (mm)					du/dt (v/µs)
		L	B	H	P	d	
250Vac 50–60Hz, 475Vdc, Upk=550Vdc							
125FR334*1#	0.33	26.5	7.0	16.0	22.5	0.8	56
125FR394*1#	0.39	26.5	7.0	16.0	22.5	0.8	56
125FR474*1#	0.47	26.5	7.0	16.0	22.5	0.8	56
125FR564*1#	0.56	26.5	8.5	17.0	22.5	0.8	56
125FR684*1#	0.68	26.5	8.5	17.0	22.5	0.8	56
125FR684*2#	0.68	31.0	9.0	18.0	27.5	0.8	45
125FR824*1#	0.82	26.5	10.0	18.5	22.5	0.8	56
125FR824*2#	0.82	31.0	9.0	18.0	27.5	0.8	45
125FR105*1#	1.0	26.5	10.0	18.5	22.5	0.8	56
125FR105*2#	1.0	31.0	9.0	18.0	27.5	0.8	45
125FR125*1#	1.2	26.5	11.0	20.0	22.5	0.8	56
125FR125*2#	1.2	31.0	9.0	18.0	27.5	0.8	45
125FR155*1#	1.5	26.5	12.0	22.0	22.5	0.8	56
125FR155*2#	1.5	31.0	11.0	20.0	27.5	0.8	45
125FR185*1#	1.8	31.0	11.0	20.0	27.5	0.8	45
125FR205*1#	2.0	31.0	13.0	22.0	27.5	0.8	45
125FR225*1#	2.2	31.0	13.0	22.0	27.5	0.8	45
125FR255*1#	2.5	31.0	15.0	24.5	27.5	0.8	45
125FR305*1#	3.0	31.0	15.0	24.5	27.5	0.8	45
125FR335*1#	3.3	31.0	15.0	24.5	27.5	0.8	45
125FR355*1#	3.5	31.0	17.0	28.0	27.5	0.8	45
125FR405*1#	4.0	31.0	17.0	28.0	27.5	0.8	45
125FR455*1#	4.5	31.0	17.0	28.0	27.5	0.8	45
125FR475*1#	4.7	31.0	18.0	33.0	27.5	0.8	45
125FR475*2#	4.7	42.5	15.0	26.0	37.5	1.0	30
125FR505*1#	5.0	31.0	18.0	33.0	27.5	0.8	45
125FR505*2#	5.0	42.5	15.0	26.0	37.5	1.0	30
125FR605*1#	6.0	42.5	17.0	28.0	37.5	1.0	30
125FR655*1#	6.5	42.5	17.0	28.0	37.5	1.0	30
125FR805*1#	8.0	42.5	22.0	30.0	37.5	1.0	30
125FR106*1#	10	42.5	22.0	30.0	37.5	1.0	30
125FR126*1#	12	42.5	28.0	37.0	37.5	1.0	30
125FR156*1#	15	42.5	28.0	37.0	37.5	1.0	30
125FR186*1#	18	42.5	33.0	45.0	37.5	1.0	30
125FR206*1#	20	42.5	33.0	45.0	37.5	1.0	30
125FR256*1#	25	57.5	30.0	45.0	52.5	1.2	20

Part Number	Cap (μF)	Dimension (mm)					du/dt (v/μs)
		L	B	H	P	d	
125FR306*1#	30	57.5	30.0	45.0	52.5	1.2	20
125FR356*1#	35	57.5	35.0	50.0	52.5	1.2	20
125FR406*1#	40	57.5	35.0	50.0	52.5	1.2	20
320Vac 50-60Hz, 575Vdc, Upk=680Vdc							
132FR334*1#	0.33	26.5	7.0	16.0	22.5	0.8	73
132FR394*1#	0.39	26.5	7.0	16.0	22.5	0.8	73
132FR474*1#	0.47	26.5	8.5	17.0	22.5	0.8	73
132FR564*1#	0.56	26.5	8.5	17.0	22.5	0.8	73
132FR684*1#	0.68	26.5	10.0	18.5	22.5	0.8	73
132FR684*2#	0.68	31.0	9.0	18.0	27.5	0.8	59
132FR824*1#	0.82	26.5	11.0	20.0	22.5	0.8	73
132FR824*2#	0.82	31.0	9.0	18.0	27.5	0.8	59
132FR105*1#	1.0	26.5	12.0	22.0	22.5	0.8	73
132FR105*2#	1.0	31.0	11.0	20.0	27.5	0.8	59
132FR125*1#	1.2	31.0	11.0	20.0	27.5	0.8	59
132FR155*1#	1.5	31.0	13.0	22.0	27.5	0.8	59
132FR185*1#	1.8	31.0	15.0	24.5	27.5	0.8	59
132FR205*1#	2.0	31.0	15.0	24.5	27.5	0.8	59
132FR225*1#	2.2	31.0	15.0	24.5	27.5	0.8	59
132FR255*1#	2.5	31.0	17.0	28.0	27.5	0.8	59
132FR275*1#	2.7	31.0	17.0	28.0	27.5	0.8	59
132FR305*1#	3.0	31.0	17.0	28.0	27.5	0.8	59
132FR305*2#	3.0	42.5	15.0	26.0	37.5	1.0	39
132FR335*1#	3.3	31.0	18.0	33.0	27.5	0.8	59
132FR335*2#	3.3	42.5	15.0	26.0	37.5	1.0	39
132FR355*1#	3.5	31.0	18.0	33.0	27.5	0.8	59
132FR355*2#	3.5	42.5	15.0	26.0	37.5	1.0	39
132FR405*1#	4.0	31.0	18.0	33.0	27.5	0.8	59
132FR405*2#	4.0	42.5	17.0	28.0	37.5	1.0	39
132FR455*1#	4.5	42.5	17.0	28.0	37.5	1.0	39
132FR475*1#	4.7	42.5	17.0	28.0	37.5	1.0	39
132FR505*1#	5.0	42.5	22.0	30.0	37.5	1.0	39
132FR605*1#	6.0	42.5	22.0	30.0	37.5	1.0	39
132FR685*1#	6.8	42.5	22.0	30.0	37.5	1.0	39
132FR805*1#	8.0	42.5	28.0	37.0	37.5	1.0	39
132FR106*1#	10	42.5	28.0	37.0	37.5	1.0	39
132FR116*1#	11	42.5	28.0	37.0	37.5	1.0	39
132FR126*1#	12	42.5	33.0	45.0	37.5	1.0	39
132FR136*1#	13	42.5	33.0	45.0	37.5	1.0	39
132FR146*1#	14	42.5	33.0	45.0	37.5	1.0	39
132FR156*1#	15	42.5	33.0	45.0	37.5	1.0	39
132FR186*1#	18	57.5	30.0	45.0	52.5	1.2	26
132FR206*1#	20	57.5	30.0	45.0	52.5	1.2	26
132FR226*1#	22	57.5	30.0	45.0	52.5	1.2	26
132FR256*1#	25	57.5	35.0	50.0	52.5	1.2	26
132FR286*1#	28	57.5	35.0	50.0	52.5	1.2	26
400Vac 50-60Hz, 775Vdc, Upk=925Vdc							
140FR104*1#	0.10	26.5	7.0	16.0	22.5	0.8	113
140FR124*1#	0.12	26.5	7.0	16.0	22.5	0.8	113
140FR154*1#	0.15	26.5	8.5	17.0	22.5	0.8	113
140FR224*1#	0.22	26.5	8.5	17.0	22.5	0.8	113
140FR274*1#	0.27	26.5	8.5	17.0	22.5	0.8	113
140FR334*1#	0.33	26.5	10.0	18.5	22.5	0.8	113
140FR334*2#	0.33	31.0	11.0	20.0	27.5	0.8	91

Part Number	Cap (μF)	Dimension (mm)					du/dt (v/μs)
		L	B	H	P	d	
400Vac 50–60Hz, 775Vdc, Upk=925Vdc							
140FR394*1#	0.39	26.5	10.0	18.5	22.5	0.8	113
140FR394*2#	0.39	31.0	11.0	20.0	27.5	0.8	91
140FR474*1#	0.47	26.5	11.0	20.0	22.5	0.8	113
140FR474*2#	0.47	31.0	11.0	20.0	27.5	0.8	91
140FR564*1#	0.56	26.5	11.0	20.0	22.5	0.8	113
140FR564*2#	0.56	31.0	11.0	20.0	27.5	0.8	91
140FR624*1#	0.62	26.5	12.0	22.0	22.5	0.8	113
140FR624*2#	0.62	31.0	11.0	20.0	27.5	0.8	91
140FR684*1#	0.68	26.5	12.0	22.0	22.5	0.8	113
140FR684*2#	0.68	31.0	11.0	20.0	27.5	0.8	91
140FR754*1#	0.75	31.0	17.0	28.0	27.5	0.8	91
140FR824*#	0.82	31.0	17.0	28.0	27.5	0.8	91
140FR105*1#	1.0	31.0	15.0	24.5	27.5	0.8	91
140FR125*1#	1.2	31.0	15.0	24.5	27.5	0.8	91
140FR155*1#	1.5	31.0	18.0	33.0	27.5	0.8	91
140FR155*2#	1.5	42.5	15.0	26.0	37.5	1.0	60
140FR185*1#	1.8	31.0	18.0	33.0	27.5	0.8	91
140FR185*2#	1.8	42.5	15.0	26.0	37.5	1.0	60
140FR205*1#	2.0	31.0	18.0	33.0	27.5	0.8	91
140FR205*2#	2.0	42.5	15.0	26.0	37.5	1.0	60
140FR225*1#	2.2	31.0	18.0	33.0	27.5	0.8	91
140FR225*2#	2.2	42.5	17.0	28.0	37.5	1.0	60
140FR255*1#	2.5	42.5	17.0	28.0	37.5	1.0	60
140FR305*1#	3.0	42.5	22.0	30.0	37.5	1.0	60
140FR335*1#	3.3	42.5	22.0	30.0	37.5	1.0	60
140FR355*1#	3.5	42.5	22.0	30.0	37.5	1.0	60
140FR555*1#	5.5	42.5	28.0	37.0	37.5	1.0	60
140FR605*1#	6.0	42.5	28.0	37.0	37.5	1.0	60
140FR635*1#	6.3	42.5	28.0	37.0	37.5	1.0	60
140FR685*1#	6.8	42.5	33.0	45.0	37.5	1.0	60
140FR705*1#	7.0	42.5	33.0	45.0	37.5	1.0	60
140FR805*1#	8.0	42.5	33.0	45.0	37.5	1.0	60
140FR855*1#	8.5	42.5	33.0	45.0	37.5	1.0	60
140FR106*1#	10	57.5	30.0	45.0	52.5	1.2	40
140FR156*1#	15	57.5	35.0	50.0	52.5	1.2	40
140FR166*1#	16	57.5	35.0	50.0	52.5	1.2	40

500Vac 50–60Hz, 1150Vdc, Upk=1350Vdc							
150FR104*1#	0.10	26.5	8.5	17.0	22.5	0.8	208
150FR124*1#	0.12	26.5	8.5	17.0	22.5	0.8	208
150FR154*1#	0.15	26.5	10.0	18.5	22.5	0.8	208
150FR184*1#	0.18	26.5	10.0	18.5	22.5	0.8	208
150FR184*2#	0.18	31.0	9.0	18.0	27.5	0.8	166
150FR224*1#	0.22	26.5	11.0	20.0	22.5	0.8	208
150FR224*2#	0.22	31.0	11.0	20.0	27.5	0.8	166
150FR274*1#	0.27	26.5	12.0	22.0	22.5	0.8	208
150FR274*2#	0.27	31.0	11.0	20.0	27.5	0.8	166
150FR334*1#	0.33	31.0	13.0	22.0	27.5	0.8	166
150FR394*1#	0.39	31.0	13.0	22.0	27.5	0.8	166
150FR474*1#	0.47	31.0	15.0	24.5	27.5	0.8	166
150FR564*1#	0.56	31.0	15.0	24.5	27.5	0.8	166
150FR684*1#	0.68	31.0	17.0	28.0	27.5	0.8	166
150FR684*2#	0.68	42.5	15.0	26.0	37.5	1.0	111

Part Number	Cap (μ F)	Dimension (mm)					du/dt (v/ μ s)
		L	B	H	P	d	
500Vac 50-60Hz, 1150Vdc, Upk=1350Vdc							
150FR754*1#	0.75	31.0	17.0	28.0	27.5	0.8	166
150FR754*2#	0.75	42.5	15.0	26.0	37.5	1.0	111
150FR824*1#	0.82	31.0	18.0	33.0	27.5	0.8	166
150FR824*2#	0.82	42.5	15.0	26.0	37.5	1.0	111
150FR105*1#	1.0	31.0	18.0	33.0	27.5	0.8	166
150FR105*2#	1.0	42.5	17.0	28.0	37.5	1.0	111
150FR125*1#	1.2	42.5	22.0	30.0	37.5	1.0	111
150FR155*1#	1.5	42.5	22.0	30.0	37.5	1.0	111
150FR185*1#	1.8	42.5	28.0	37.0	37.5	1.0	111
150FR205*1#	2.0	42.5	28.0	37.0	37.5	1.0	111
150FR225*1#	2.2	42.5	28.0	37.0	37.5	1.0	111
150FR255*1#	2.5	42.5	28.0	37.0	37.5	1.0	111
150FR275*1#	2.7	42.5	28.0	37.0	37.5	1.0	111
150FR305*1#	3.0	42.5	33.0	45.0	37.5	1.0	111
150FR335*1#	3.3	42.5	33.0	45.0	37.5	1.0	111
150FR355*1#	3.5	42.5	33.0	45.0	37.5	1.0	111
150FR405*1#	4.0	57.5	30.0	45.0	52.5	1.2	74
150FR455*1#	4.5	57.5	30.0	45.0	52.5	1.2	74
150FR505*1#	5.0	57.5	30.0	45.0	52.5	1.2	74
150FR605*1#	6.0	57.5	35.0	50.0	52.5	1.2	74
150FR655*1#	6.5	57.5	35.0	50.0	52.5	1.2	74
150FR705*1#	7.0	57.5	35.0	50.0	52.5	1.2	74

*Special design available to meet your requirements.