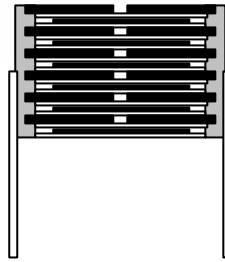




Metallized Polypropylene Capacitor -Radial

PPSH



- Aluminium Foil
- Polypropylene Film
- Metallized Polypropylene Film
- Metal Spray Layer
- Connecting Wire

Construction:

Dielectric : Polypropylene Film .
 Electrodes : Aluminum Foil & Aluminum Metallization.
 Winding : non-inductive type & internally connected series..
 Leads : Tinned Wire.
 Outer coating : Flame retarding epoxy resin .

Feature:

Low Dissipation Factor at high frequency.
 Tight capacitance tolerance.
 High insulation resistance .
 Very high pulse strength.
 Self-healing property.

Recommended Application:

Typical for Fly-back tuning in TV-set & Monitor.
 Electronic ballast circuits.
 Switching power supply circuits.
 High pulse load applications.
 For high frequency & high current application.

Electrical Characteristics:

Related Documents	IEC 60384-13			
Hi-pulse Voltage(Vo -p) Rated Voltage	800VH , 1000VH , 1200VH for Fly-back tuning (800VDC) , (1000VDC) , (1200VDC)			
Rated Temperature	-40°C ~ +85°C.			
Usable upper category temperature	+105°C (Derating ratio of rated voltage to +85°C ~ +105°C: 1.5% per °C for Rated Voltage)			
Capacitance Range	0.001 μF ~ 0.1μF.			
Capacitance Tolerance	± 3% (H) , ± 5% (J) , ± 10% (K)			
Dissipation Factor	KHz	C ≤ 0.1μF	0.1μF < C ≤ 1μF	C > 1.0μF
	1	≤ 0.05 %	≤ 0.05 %	≤ 0.05 %
	100	≤ 0.15 %		
Insulation Resistance	Terminal to Terminal: (at 20°C ± 5°C) , Voltage charge time : 1 minute. Voltage charge : 500VDC. ≥ 30000MΩ for C ≤ 0.1μF			
Withstand Voltage	Terminal to Terminal: (at 20°C ± 5°C) 1.6 × V _R applied for 2sec. (cut off current 10mA) Slow-up voltage speed: 100V/sec			
Rated Voltage Pulse Slope dV/dt (V/μs)	V.R	800VDC	1000VDC	1200VDC
	Pitch			
	15m/m	20000	28000	30000
	17.5m/m	14000		
	20m/m	9000	11000	12000

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Reliability Test :

Item	Test Method	Requirements
Resistance to soldering heat IEC 60068-2-20''	Solder bath: 260°C± 5°C Immersion time: 10sec± 1sec	Capacitance change ΔC/C ≤ 1 % DF change Δtanδ 0.1% at 1Khz IR: ≥ limit value.
Resistance to vibration IEC 60068-2-6''	Frequency range: 10hz to 55hz Amplitude: 1.5 m/m Duration : 6 hours	There shall be no visible damage, no intermittent contact, no open or short circuit
Damp heat ,steady state IEC 60068-2-3''	Temperature: 40°C± 2°C Relative humidity: 90% to 95% Duration : 1000 hours	Capacitance change ΔC/C ≤ 3 % DF change Δtanδ 0.1% at 1Khz IR: ≥ 50% limit value.
Electrical endurance IEC 60384-16''	Temperature: 85°C± 2°C Voltage applied: 1.25× Vr(DC) Duration : 2000 hours	Capacitance change ΔC/C ≤ 3 % DF change Δtanδ 0.1% at 1Khz IR: ≥ 50% limit value.

Cap. (μF)

Size unit: m/m

R.V. Size Cap.	800VH					1000VH					1200VH				
	W	H	T	P	Df	W	H	T	P	Df	W	H	T	P	df
0.001						18	10	5	15	0.8	18	10	5	15	0.8
0.0012						18	10	5	15	0.8	18	10	5	15	0.8
0.0015						18	10	5	15	0.8	18	10	5	15	0.8
0.0018						18	10	5.5	15	0.8	18	10	5.5	15	0.8
0.0022						18	10.5	5.5	15	0.8	18	10.5	5.5	15	0.8
0.0027						18	10.5	5.5	15	0.8	18	10.5	5.5	15	0.8
0.003						18	10.5	5.5	15	0.8	18	10.5	5.5	15	0.8
0.0033						18	10.5	5.5	15	0.8	18	10.5	5.5	15	0.8
0.0036						18	10.5	5.5	15	0.8	18	10.5	5.5	15	0.8
0.0039						18	10.5	5.5	15	0.8	18	10.5	5.5	15	0.8
0.0047						18	10.5	5.5	15	0.8	18	11	5.5	15	0.8
0.0056						18	10.5	5.5	15	0.8	18	11.5	6	15	0.8
0.0068						18	10.5	5.5	15	0.8	18	12.5	6.5	15	0.8
0.0082						18	12	6	15	0.8	18	13	7.5	15	0.8
0.01	18.0	10.5	5.5	15	0.8	18	12	6.5	15	0.8	18	14	8	15	0.8
0.012	18.0	11	5.5	15	0.8	18	12.5	7	15	0.8	18	14.5	9	15	0.8
0.015	18.0	11	5.5	15	0.8	18	13.5	7	15	0.8	18	15.5	10	15	0.8
0.018	18.0	11.5	6	15	0.8	18	14	7.5	15	0.8	18	17	11	15	0.8
0.022	18.0	12	6.5	15	0.8	18	14	8.5	15	0.8	18	18	12.5	15	0.8
0.027	18.0	14	7	15	0.8	18	15.5	9.5	15	0.8	23	17.5	10	20	0.8
0.033	18.0	14.5	7.5	15	0.8	18	15.5	10	15	0.8					
0.036	18.0	15	8	15	0.8	18	16	10.5	15	0.8					
0.039	18.0	15.5	8.5	15	0.8	18	16.5	11	15	0.8					
0.043	18.0	16	9	15	0.8	18	18	11	15	0.8					
0.047	18.0	16.5	9.5	15	0.8	18	18.5	11.5	15	0.8					
0.047	20.5	15.5	8	17.5	0.8										
0.056	20.5	16	9	17.5	0.8										
0.068	20.5	17	10	17.5	0.8										
0.082	20.5	18	11.5	17.5	0.8										
0.033	23	13.5	6	20	0.8	23	15	8	20	0.8	23	18.5	11	20	0.8
0.036	23	13.5	6.5	20	0.8	23	15.5	8.5	20	0.8	23	19	11.5	20	0.8
0.039	23	13.5	6.5	20	0.8	23	15.5	8.5	20	0.8	23	19.5	12	20	0.8
0.043	23	14	7	20	0.8	23	16	9.5	20	0.8	23	20	13	20	0.8
0.047	23	14.5	7.5	20	0.8	23	16.5	10	20	0.8	23	20.5	13.5	20	0.8
0.056	23	15.5	8	20	0.8	23	17.5	11	20	0.8	23	22	15	20	0.8
0.068	23	18	8	20	0.8	23	18	12	20	0.8					
0.082	23	19	9	20	0.8	23	20	13	20	0.8					
0.1	23	20	10	20	0.8	23	22	15	20	0.8					