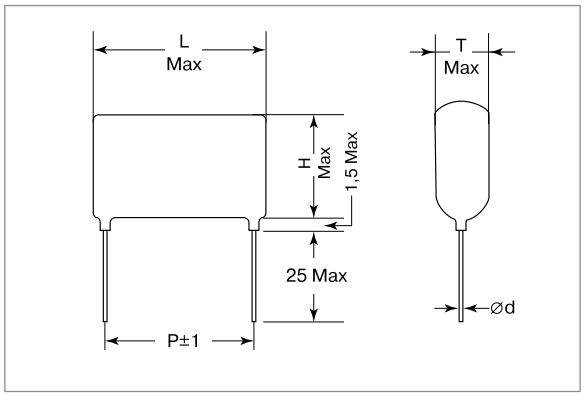
MPPS (Metallized Polyphenylene Sulphide Capacitor)

Features

- Dielectric: Polyphenylene Sulphide Film
- Ideally suited for tmperatures ap to +140°C
- Very constant capacitance value with temperature
- Low dissapation factor (Tan δ)
- Low dielectric absorption
- In virtue of high temperatures resistence ideally suited for automotive aplications under the hood as well as for sensory equiment in hot media
- Available taped and Ammo packed



Characteristics

- Capacitor electrodes: Vacuum-deposited aluminum
- Temperature range: -40°C to +125°C
- Capacitance Tolerance: ±20 %, ±10 %
  (±5 % available subject to special inquiry)

Electrical Characteristics

Test voltage	Vr X 1.6, 3 sec
Vibration	6 hours at 10~2000 Hz and 0.75 mm displacement amplitude or 10 g in accordance with IEC 60068-2-6
Low air density	1 kPa = 10 mbar in accordance with IEC 60068-2-13
Bump test	4000 bumps at 390 m/pc in accordance with IEC 60068-2-29
Voltage derating	A voltage derating factor of 0.75 % per K must be applied from +125□ for DC voltages and from AC voltages

Capacitance	pulse rise time V/µsec max operation/test	
	63 VDC	100 VDC
0.01...0.022	35/350	35/350
0.033...0.068	20/200	20/200
0.1...0.47	15/150	15/150
0.68...1.0	12/120	12/120
1.5...2.2	8/80	8/80

For puises equal rated voltage

Insulation resistance at +20˚C, 1 min

Vr	Test Voltage	C ⩽ 0.33□	0.33 □□ C ⩽ 2.2□
63 VDC	Vr X 1.63 sec	⩾1 X 10□ MΩ Mean Value: 5 X 10 MΩ	⩾3000 sec (MΩ/□) Mean Value: 6000 sec
⩾100 VDC	Vr X 1.63 sec	⩾1 X 10 □MΩ Mean Value: 5 X 10□MΩ	

Dissapation factor at +20˚C, tan δ

At f	C ⩽ 0.1 □	0.1□□C ⩽ 1.0	C □0.1
1 KHz	⩽ 15 X 10^{-4}	⩽ 20 X 10^{-4}	⩽ 25 X 10^{-4}
10 KHz	⩽ 20 X 10^{-4}	⩽ 25 X 10^{-4}	⩽ 25 X 10^{-4}
100 KHz	⩽ 50 X 10^{-4}	⩽ 80 X 10^{-4}	⩽ 80 X 10^{-4}

Specification

Code NO.	VOLT	CAP (μf)	TOL.	DIMENTIONS (mm)				
				L	H	T	P	d
MMPS 103	DC 100V	0.01	±20, ±10 %	10.3	8.3	4.5	7.5	0.6
153	DC 100V	0.015	±20, ±10 %	10.3	9.0	5.0	7.5	0.6
223	DC 100V	0.022	±20, ±10 %	10.3	8.0	4.3	7.5	0.6
333	DC 100V	0.033	±20, ±10 %	10.3	8.5	4.8	7.5	0.6
473	DC 100V	0.047	±20, ±10 %	10.3	8.0	4.3	7.5	0.6
683	DC 100V	0.068	±20, ±10 %	10.3	8.5	4.6	7.5	0.6
104	DC 100V	0.1	±20, ±10 %	11.0	9.0	5.3	8.5	0.6
154	DC 100V	0.15	±20, ±10 %	11.0	9.5	5.5	8.5	0.6
224	DC 100V	0.22	±20, ±10 %	13.0	9.5	5.5	10.0	0.6
304	DC 100V	0.3	±20, ±10 %	13.5	10.5	6.5	10.0	0.6
364	DC 100V	0.36	±20, ±10 %	13.5	11.0	7.0	10.0	0.6
154	DC 100V	0.15	±20, ±10 %	13.0	8.5	4.5	10.0	0.6

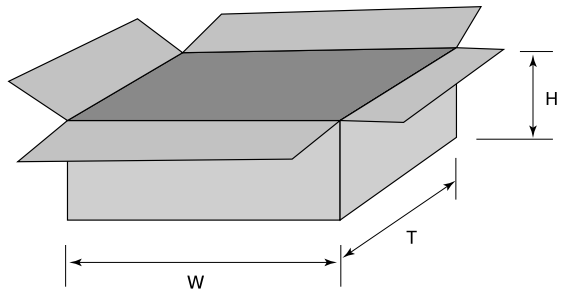
Packing Standard Spec.

(Q'ty And Weight Per Inner Carton)

CAP (□)	100 VDC	
	Amount	KG
0.1	10,000	7
0.15	10,000	7
0.22	6,000	6
0.3	5,000	7
0.36	5,000	10

This standard specifies film capacitors for packing standard

[BOX TYPE]



Items	Size W(mm) X T(mm) X H(mm)
INNER BOX	280 X 175 X 100
	350 X 275 X 200
OUT BOX	580 X 370 X 220