METALIZED POLYESTER FILM CAPACITOR

METAL TYPE

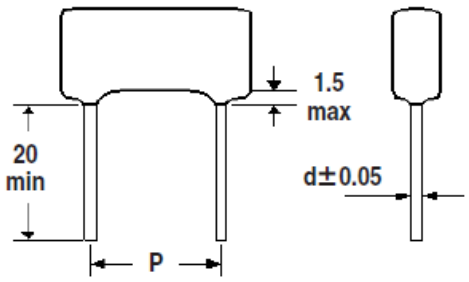
INTRODUCTION

METAL Type is constructed with metalized polyester film dielectric, ciopperply lead and epoxy resin coating. They are suitable for blocking, coupling, decoupling, filtering, bypassing the timing circuit. Ideal for use in telecommunication equipments, data processing equipments, industrial instruments and automatic control system.

FEATURES

- High stability and self−healing characteristics.
- Miniature size and Non−inductive.
- Dipped epoxy coating protects it from humidity.
- Capacitance range : 0.01 ~10uF
- Capacitance tolerance : ±5% (J), ±10% (K), ±20% (M)

DIMENSIONS



W.V \ PITCH (P)	10±1MM	15±1MM	20±1.5MM	27.5±2MM
100VDC	0.01uF−0.33uF	0.47uF−1uF	1.5uF−3.3uF	1uF −10uF
250VDC	0.01uF−0.22uF	0.22uF −1uF	0.68uF−2.2uF	1.5uF −6.8uF
400VDC	0.01uF−0.1uF	0.082uF−0.22uF	0.33uF−0.47uF	0.68uF−2.2uF
630VDC	0.01uF−0.033uF	0.047uF−0.1uF	0.15uF−0.33uF	0.33uF−1uF

** The Lead diameter is 0.6mm or 0.8mm

CHARACTERISTICS

TEST	SPECIFICATIONS
OPERATING TEMPERATURE	−40℃ ~ +85℃
COATING	Epoxy resin (Color : dark red)
TEST VOLTAGE	R.V. × 150% for 1 minute at 25℃
INSULATION RESISTANCE	Capacitance≦0.33uF more than 30,000 MΩ Capacitance>0.33uF more than 10,000 MΩ×uF
DISSIPATION FACTOR	1% max. at 1KHz 25℃
DRY HEAT RESISTANCE	+85℃ capacitance drift within+5%−0%.
LOW TEMPERATURE RESISTANCE	−40℃ capacitance drift within+0%−8%.
MOISTURE−PROOF LOAD LIFE TEST	Temperature and humidity+60℃, 90~95% R.H., add W.V. for 500 hours. Capacitance drift within±8%. Dissipation factor : <1.1%. Insulation resistance : over 30% of initial value.
HIGH TEMPERATURE LOAD LIFE TEST	Add 140% of W.V. 85℃ in chamber for 1000 hours. Capacitance drift within±3%. Dissipation factor : <1.1%. Insulation resistance : over 10%