

R-L-C decades

Decade capacitor MA 2405



MA 2405 Decade capacitor is intended for all application areas where variable capacitance selected by hand is required. It is all passive electric device housed in metallic case and with internal guarding. It consists of 3 decades for selection of the capacitance in range of 100 pF up to 100 nF.

Set value is directly visible on decade's dials.

MA 2405 Decade Capacitor uses high quality polypropylene capacitors providing accuracy of 5 %.

Very good DC insulation resistance of the capacitors enables the application also in DC circuits, insulation materials also provide low dissipation factor at the frequencies normally used.

Measurement accessories



Wire: PVC 0.75 mm;
 I_{max}: 12 A
 Voltage: 1000 V
 Standards:
 EN 61010-1: 90 + A1: 92 + A2: 95
 EN 61010-2-031: 93

Technical Specification

Decade capacitor Part No. MA 2405

Capacitance:	100 pF to 100.000 pF in steps of 100 pF	Maximum voltage:	DC max. 250 V AC max. 175 V/50Hz
Three decade ranges:		Guard capacitance working:	approx. 100 pF
x 100 pF	100 pF to 1000 pF	Insulation resistance:	min 10.000 MΩ
x 1000 pF	1000 pF to 9000 pF	Applicable overvoltage (case grounded)	CAT II 150 V
x 10.000 pF	10.000 pF to 90.000 pF	Discharging:	via 100 k resistor with push-button "DISCHARGE"
Accuracy:	± 5 %	Overvoltage category:	II
Dissipation factor (tg δ):	max. 5.10 ⁻⁴ at 10 kHz	Dimensions (W x H x D)	190 x 90 x 170 mm
Limit frequencies:		Weight	1.35 kg
x 100 pF range	9 MHz		
x 1000 pF range	2 MHz		
x 10.000 pF range	500 kHz		

Test probes 1000 V CAT III



Max. current: 36 A
 Contact resistance: <5 mΩ
 Standard: EN 61010-031: 2002/02