

MKP LIGHTNING CAPACITOR TYPE TC884 IP, LP, RP

Application: MKP capacitor TC 884 . . is particularly determined for parallel compensation of lightning appliances.

Description: The capacitor winding element is made of metallized polypropylene film and it is closed in a plastic safe-extinguishing case. Terminals of the capacitor are either two pairs of push wire connectors with marking (R) which are an integral part of cover together with a discharging resistor.
Terminals of capacitors with marking (L) and (I) are an insulated flexible leads or wires, which go axial through opening of a plastic case. Discharging resistor is inside the case between terminals and ensures discharging of the capacitor to max. 50 V in 1 min.
Capacitor TC 884 . . is a capacitor type A – autoregenerative parallel capacitor, which doesn't has to disconnecting equipment.

Electrical properties:

Tolerance on capacitance: $\pm 10\%$ (K) , $\pm 5\%$ (J)
 Test voltage between terminals: $2 \times U_{jm}$ 50 Hz / 60 s
 Test voltage between terminals and case: 2000 V 50 Hz / 60 s

Dissipation factor $\text{tg } \delta$:

Type	Measuring frequency	Max. $\text{tg } \delta \times 10^{-4}$	
		$C_{jm} \leq 10 \mu\text{F}$	$C_{jm} > 10 \mu\text{F}$
TC 884 R	50 Hz or 100 Hz	6	8
	1 kHz	40	80
TC 884 L, I.	50 Hz or 100 Hz	12	16
	1 kHz	80	160

Type marking of the capacitor:

TC 884 . . MKP capacitor for parallel compensation for $U_{jm} = 250 \text{ V} \sim$

1st letter indicates type of terminals

R – terminals are a contact cavities in an integral push wire cover Discharging resistor is a part of the cover.

L – insulated flexible core leads, 0.75 mm^2 , length 250 mm, go axial through a plastic cover, discharging resistor is inside the case

I – insulated solid core leads, $\varnothing 0.8 \text{ mm}$, length 250 mm, go axial through a plastic cover, discharging resistor is inside the case

. – another type of terminal or length is necessary to discuss with producer

2nd letter indicates casefixing system

P – case with a two-sided adhesive tape

Informations for an order:

Example of complete marking for an order: TC 884 IP $5\mu\text{F} \pm 10\%$

Lightning capacitor in a plastic case with two-sided adhesive tape, insulated solid core leads, capacitance in μF with tolerance $\pm 10\%$ and with nominal voltage 250 V~ for parallel compensation.

Description

Chart I - dimensions

Type	TC 884 .. Parallel compensation	
Nominal voltage in range of min. and max. temperature	250 V~50 Hz -25°C/+70°C	
	400 V = -25°C/+70°C	
	Dimensions ØD x L (mm)	
Nominal capacitance (µF)	LP, IP	RP
6,3	30 x 70	30 x 68
7	30 x 70	30 x 68
8	30 x 70	30 x 68
8,4	30 x 70	30 x 68
9	30 x 70	30 x 68
10	30 x 70	30 x 68
11	30 x 70	30 x 68
12	30 x 70	30 x 68
13	30 x 70	30 x 68
13,5	30 x 70	30 x 68
14	30 x 70	30 x 68

