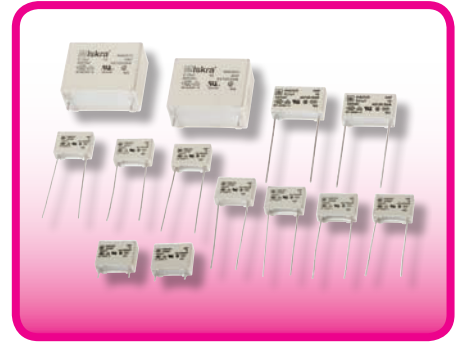


## Capacitors

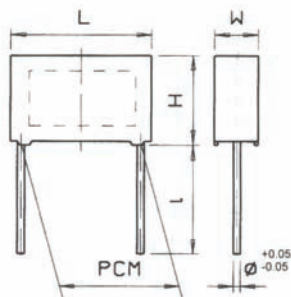
Type KNB2520	250 V AC	class <b>Y2</b>
Type KNB2522	300 V AC	
Type KNB2523		



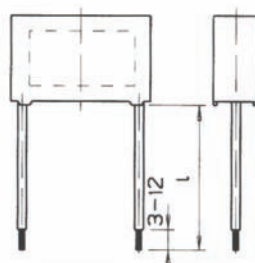
### TECHNICAL DATA

Construction:	polypropylene film, metallized
Rated voltage:	250 V A.C., 300 V A.C.
Capacitance tolerance:	$\pm 20\%$ , $\pm 10\%$
Climatic category:	40/100/56 according to IEC 60068-1
Passive flammability:	according to IEC 60384-14
Temperature range:	- 40 °C to + 100 °C
Test voltage:	4000 V D.C., 1 s
Max. pulse rise time du/dt, at 425 V D.C.:	3000 V/ $\mu$ s for 1000 pF 2500 V/ $\mu$ s for 1500 pF 2000 V/ $\mu$ s for 2200 pF up to 6800 pF PCM10 1000 V/ $\mu$ s for PCM $\geq 15$ according to IEC 60384-14
Insulation resistance at 20 °C, $U_m$ = 100 V D.C., t=1 min:	$R_i \geq 15000 \text{ M}\Omega$
Dielectric loss $\tan\delta$ at f = 1 kHz and 20 °C:	$\leq 15 \times 10^{-4}$
Soldering:	IEC 60068-2-20, max. 2 s
Soldering time on printed circuit:	max. 5 s at 270 °C
Self inductance:	approx. 10nH/cm of capacitors length and terminals
Complies to:	IEC 60384-14, EN 60384-14, UL 1283, UL 1414, CSA C22.2 No.1, CSA E384-14, CSA C22.2 No.8, GB/T 14472-1998

KNB2520

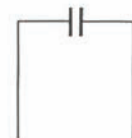


KNB2522, KNB2523










Electrical connection

Electrical connection



Casing: thermoplastic, (PP or on request PBT HF) sealed with synthetical resin	Thermoplastic material and synthetical resin are self-extinguishing according to UL 94, class V-0.	
<b>Terminals</b>		
Type	Terminal length	Type of terminals
KNB2520	3 <sup>+0.5</sup> , 4 <sup>+0.5</sup> , 6 <sup>-1</sup> , 9 <sup>+1</sup> , 15 <sup>+2</sup> , 20 <sup>+2</sup> , 25 <sup>+5</sup> , 30 <sup>+5</sup> , 50 <sup>+5</sup> mm, other on request	Tinned copper wire
KNB2522	20 to 200 mm	Insulated stranded wire 0.5 mm <sup>2</sup>
KNB2523	20 to 200 mm	Insulated solid wire $\phi$ 0.8 mm End terminals on request

### Standard values KNB2520, KNB2522, KNB2523, 250 V AC, 300 V AC, class Y2

Capacitance C (pF)	Dimensions						For capacitors with insulated leads on request					
	L <sub>max</sub> (mm)	H <sub>max</sub> (mm)	W <sub>max</sub> (mm)	PCM (mm)	$\phi$ (mm)		 UL 1283 300 V AC	 UL 1414 250 V AC	 C22.2 No.8 275 V AC	 GB/T14472 250 V AC	 C22.2 No.1 125 V/250 V	 E384-14-95 300 V AC
1000	13	9.5	4.3	10	0.6	■	■	■	■	■	■	■
1500	13	9.5	4.3	10	0.6	■	■	■	■	■	■	■
2200	13	9.5	4.3	10	0.6	■	■	■	■	■	■	■
2500	13	9.5	4.3	10	0.6	■	■	■	■	■	■	■
2700	13	9.5	4.3	10	0.6	■	■	■	■	■	■	■
2800	13	9.5	4.3	10	0.6	■	■	■	■	■	■	■
3300	13	10.5	5	10	0.6	■	■	■	■	■	■	■
4700	13	11.5	6	10	0.6	■	■	■	■	■	■	■
5000	13	11.5	6	10	0.6	■	■	■	■	■	■	■
6800	13	12	6	10	0.6	■	■	■	■	■	■	■
6800	18	11	5.5	15	0.8	■	■	■	■	■	■	■
10000	18	11	5.5	15	0.8	■	■	■	■	■	■	■
15000	18	12	6	15	0.8	■	■	■	■	■	■	■
22000	18	13	7	15	0.8	■	■	■	■	■	■	■
25000	18	13.5	7.5	15	0.8	■	■	■	■	■	■	■
27000	18	13.5	7.5	15	0.8	■	■	■	■	■	■	■
33000	18	14.5	9	15	0.8	■	■	■	■	■	■	■
39000	18	18.5	9	15	0.8	■	■	■	■	■	■	■
47000	18	18.5	9	15	0.8	■	■	■	■	■	■	■
33000	26.5	14	6	22.5	0.8	■	■	■	■	■	■	■
39000	26.5	15	6	22.5	0.8	■	■	■	■	■	■	■
47000	26.5	16	7	22.5	0.8	■	■	■	■	■	■	■
56000	26.5	16.5	8.5	22.5	0.8	■	■	■	■	■	■	■
68000	26.5	17	8.5	22.5	0.8	■	■	■	■	■	■	■
100000	27	19	10.5	22.5	0.8	■	■	■	■	■	■	■
120000	26.5	21.5	11	22.5	0.8	■	■	■	■	■	■	■
150000	26.5	21.5	18.5	22.5	0.8	■	■	■	■	■	■	■

Approvals in use = ■  
Approvals in pending = ○