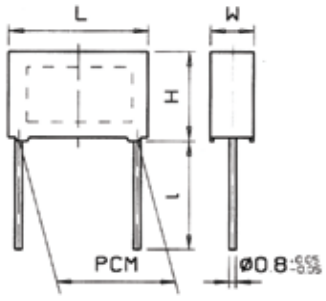
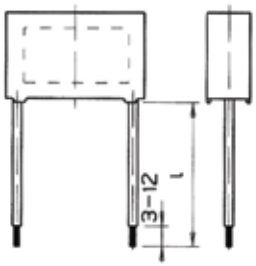
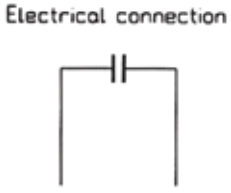
Capacitors

Type KNB1540 Type KNB1542 Type KNB1543	440 V AC	class **X1**

TECHNICAL DATA

Construction:	polypropylene film, metallized
Rated voltage:	440 V A.C.
Capacitance tolerance:	± 20 % for C ≤ 0,1 µF and ± 10 % for C > 0,1 µF
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:	3500 V D.C., 1 s
Max. pulse rise time du/dt, at 622 V D.C.:	3000 V/µs for PCM = 15 mm 1500 V/µs for PCM = 22,5 mm 1100 V/µs for PCM = 27,5 mm according to IEC 60384-14
Insulation resistance at 20 °C, U_m = 100 V D.C., t =1 min:	$R_i \geq 15000$ MΩ for C ≤ 0,33 µF $Ri \times C_n \geq 5000$ s for C > 0,33 µF
Dielectric loss tanδ at f = 1 kHz and 20 °C:	$\leq 5 \times 10^{-4}$
Soldering:	IEC 60068-2-20, max. 2 s
Resistance to soldering heat:	IEC 60068-2-20, 260 °C ± 5 °C, 10 s ± 1 s
Self inductance:	approx. 10 nH/cm of capacitor length and terminals
Complies to:	IEC 60384-14, EN 60384-14, UL 1283, UL 1414, CSA C22.2 No.1

KNB1540	*KNB1542, KNB1543*	*Electrical connection*
		

Casing: thermoplastic, sealed with synthetical resin	Thermoplastic material is self-extinguishing according to UL 94, class V-0.

Terminals		
Type	Terminal length	Type of terminals
KNB1540	$3^{+0,5}$, $4^{\pm0,5}$, 6^{-1}, 9^{+1},$15^{\pm2}$, $20^{\pm2}$, 25^{+5}, 30^{+5}, $50^{\pm5}$ mm, other on request	Tinned copper wire
KNB1542	20 to 200 mm	Insulated stranded wire 0,5 mm^2
KNB1543	20 to 200 mm	Insulated solid wire ø 0,8 mm End terminals on request

Standard values KNB1540, KNB1542, KNB1543, 440 V AC, class X1

Capacitance C (µF)	Dimensions				For capacitors with insulated leads on request			
	L_{max} (mm)	H_{max} (mm)	W_{max} (mm)	PCM (mm)	IEC 60384-14 440 V AC	UL 1283 440 V AC	UL 1414 250 V AC	C22.2 No.1 250 V AC
0,0022	18	11	5,5	15	•	•	•	•
0,0033	18	11	5,5	15	•	•	•	•
0,0047	18	11	5,5	15	•	•	•	•
0,0068	18	11	5,5	15	•	•	•	•
0,01	18	12	6	15	•	•	•	•
0,015	18	13	7	15	•	•	•	•
0,022	18	14,5	8,5	15	•	•	•	•
0,033	18	18,5	9	15	•	•	•	•
0,047	18	20	12,5	15	•	•	•	•
0,015	27	15	6,5	22,5	•	•	•	•
0,022	27	15	6,5	22,5	•	•	•	•
0,033	27	15	6,5	22,5	•	•	•	•
0,047	27	16,5	7	22,5	•	•	•	•
0,068	27	18,5	8,5	22,5	•	•	•	•
0,1	27	20	10,5	22,5	•	•	•	•
0,15	27	23	14	22,5	•	•	•	•
0,22	27	25	16	22,5	•	•	•	•
0,1	32	19	10	27,5	•	•	•	•
0,15	32	20	11	27,5	•	•	•	•
0,22	32	23,5	14	27,5	•	•	•	•
0,27	32	24,5	15	27,5	•	•	•	•
0,33	32	28	18	27,5	•	•	•	•
0,47	32	33	20	27,5	•	•	•	•
0,68	32	39	24	27,5				

Approvals in use = •
Approvals in pending = o