

Capacitors: Type **KNB 1530**
1532
1533

275 V AC

class X2

TECHNICAL DATA:

Construction: polypropylene film, metallized
Rated voltage: 275 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 publ. 68-1
Passive flammability: according to EN 132 400
Temperature range: -40°C to +100°C
Test voltage: 2635 V D.C., 1 s

Max. pulse rise time du/dt, at 390 V D.C.:

900V/μs for PCM=10mm
400V/μs for PCM=15mm
200V/μs for PCM=22.5mm
160V/μs for PCM=27.5mm
100V/μs for PCM=37.5mm

Insulation resistance at 20°C, U_m = 100 V D.C., t = 1 min:

R_i ≥ 15000 MΩ for C ≤ 0.33 μF
R_i x C_n ≥ 5000 s for C > 0.33 μF

Dielectric loss tanδ at f = 1 kHz and 20°C:

≤ 5 x 10⁻⁴

Soldering:

IEC publ. 68-2-20, max 2 s

Soldering time on printed circuit:

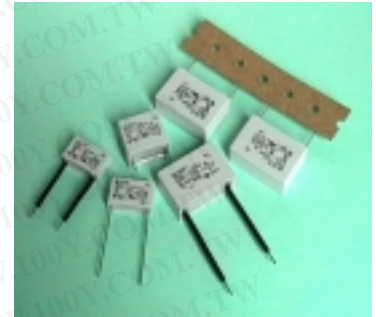
max. 5 s at 270°C

Self inductance:

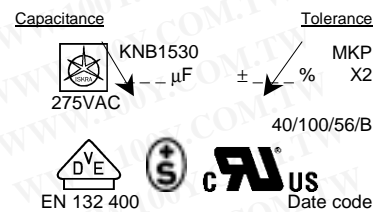
approx. 10 nH/cm of capacitor length and terminals

Complies to:

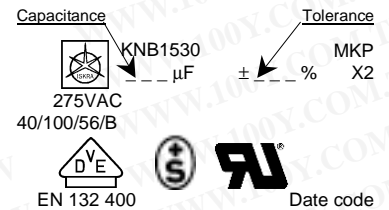
IEC publ. 384-14; EN 132 400, UL 1283, UL1414, CSA C22.2 No.1



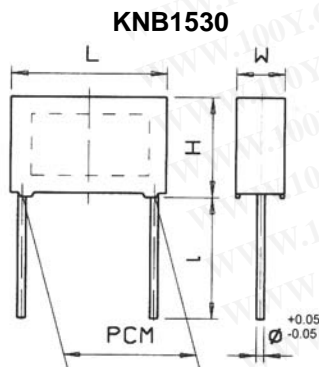
Marking KNB1530 for C = 0,01μF to 1μF:



Marking KNB1530 for C > 1μF to 2,2μF:



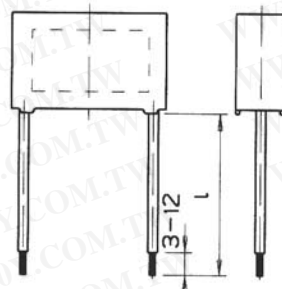
Note: Capacitance tolerance ±20% is not marked.



φ0.6mm for PCM=10mm
φ0.8mm for PCM>10mm

Casing: thermoplastic, sealed with synthetical resin

KNB1532, 1533

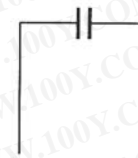


φ0.6mm for PCM=10mm
φ0.8mm for PCM>10mm

Casing: thermoplastic, sealed with synthetical resin

Thermoplastic material is self-extinguishing according to UL94, class V-0.

Electrical connection








Terminals:

Type	Terminal length	Type of terminals
KNB1530	4±0.5, 6-1, 25±5 mm, other on request	Tinned copper wire
KNB1532	20 to 200 mm	Insulated stranded wire 0.5 mm ²
KNB1533	20 to 200 mm	Insulated solid wire φ0.8 mm End terminals on request

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Standard values: **KNB1530, KNB1532, KNB1533**

 275 V AC class **X2**

Capacitance C(μF)	Dimensions				 EN 132 400	 EN 132 400	For capacitors with insulated leads on request		
	Lmax (mm)	Hmax (mm)	Wmax (mm)	PCM (mm)			 UL 1283 275V AC	 UL 1414 250V AC	 C22.2 No.1 250V AC
0.01*	13	9.5	4.3	10	•	•	•	•	•
0.01	18	11	5.5	15	•	•	•	•	•
0.015*	13	10.5	5	10	•	•	•	•	•
0.015	18	11	5.5	15	•	•	•	•	•
0.022*	13	11.5	6	10	•	•	•	•	•
0.022	18	11	5.5	15	•	•	•	•	•
0.033	18	11	5.5	15	•	•	•	•	•
0.033*	13	12	6.5	10	•	•	•	•	•
0.047	18	11	5.5	15	•	•	•	•	•
0.047*	13	14.5	7	10	•	•	•	•	•
0.068	18	12	6	15	•	•	•	•	•
0.1*	18	12	6	15	•	•	•	•	•
0.1	18	13	7	15	•	•	•	•	•
0.1	18	14.5	9	15	•	•	•	•	•
0.12	18	13.5	7.5	15	•	•	•	•	•
0.12	18	14.5	8.5	15	•	•	•	•	•
0.15*	18	14.5	9	15	•	•	•	•	•
0.15	18	16.5	8.5	15	•	•	•	•	•
0.15	27	15	6.5	22.5	•	•	•	•	•
0.22*	18	19	10	15	•	•	•	•	•
0.22	27	16.5	7	22.5	•	•	•	•	•
0.22	26.5	16.5	8.5	22.5	•	•	•	•	•
0.27	27	18.5	8.5	22.5	•	•	•	•	•
0.33*	18	20	12.5	15	•	•	•	•	•
0.33	27	18.5	8.5	22.5	•	•	•	•	•
0.47*	26	22	9.5	22.5	•	•	•	•	•
0.47	27	19	10.5	22.5	•	•	•	•	•
0.47	27	20	10.5	22.5	•	•	•	•	•
0.47	32	20	11	27.5	•	•	•	•	•
0.56	31.5	19	10	27.5	•	•	•	•	•
0.68	32	20	11	27.5	•	•	•	•	•
1*	31.5	24	13	27.5	•	•	•	•	•
1	31.5	23.5	14	27.5	•	•	•	•	•
1	32	24.5	15	27.5	•	•	•	•	•
1.5	32	28	18	27.5	•	•	•	•	•
1.5	41.5	23	14	37.5	•	•	•	•	•
2.2	32	33	20	27.5	•	•	•	•	•
2.2	41.5	28.5	16	37.5	•	•	•	•	•
2.2	41.5	31	18	37.5	•	•	•	•	•

* mini size

Approvals in use = •

Approvals in pending = o

Note: KNB1532 and KNB1533 with PCM = 10 mm are not available with EN132400 approval.

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)