

Capacitors: **Type KNB 2520**
 2522
 2523

250 V AC

class Y2

TECHNICAL DATA:

Construction: polypropylene film, metallized
Rated voltage: 250 V A.C.
Capacitance tolerance: $\pm 20\%$, $\pm 10\%$
Climatic category: 40/100/56 according to IEC, publ. 68-1
Passive flammability: according to EN 132 400
Temperature range: -40°C to $+100^{\circ}\text{C}$
Test voltage: 4000 V D.C., 1 s
 or 2600 V A.C., 2 s

Max. pulse rise time du/dt , at 353 V D.C.:

3000V/ μs for 1000pF
 2500V/ μs for 1500pF
 2000V/ μs for 2200pF to 5000pF
 1000V/ μs for 6800pF to 22000pF

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 publ. 68-2-20, max 2 s

Soldering time on printed circuit:

max. 5 s at 270°C
 approx. 10 nH/cm of capacitor length and terminals

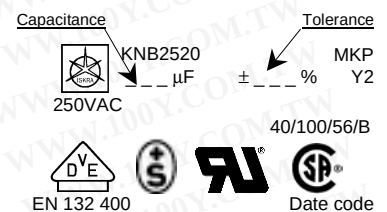
Self inductance:

Complies to:

IEC publ. 384-14; EN 132 400,
 UL 1283, UL 1414, CSA C22.2 No.1,
 CSA C22.2 No.8,

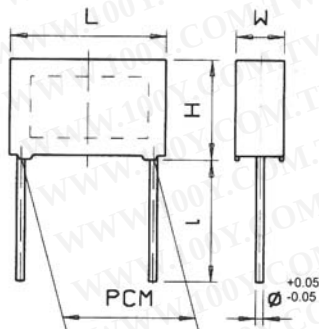


Marking KNB2520:

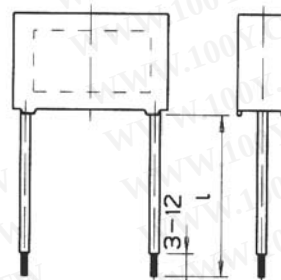


Note: Capacitance tolerance $\pm 20\%$ is not marked.

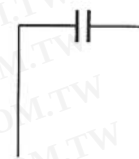
KNB2520



KNB2522, 2523



Electrical connection



Casing: thermoplastic, sealed with
 synthetical resin

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

Terminals:

Type	Terminal length	Type of terminals
KNB2520	4 $\pm$ 0.5, 6-1, 25 $\pm$ 5 mm, other on request	Tinned copper wire
KNB2522	20 to 200 mm	Insulated stranded wire 0.5 mm ²
KNB2523	20 to 200 mm	Insulated solid wire ϕ 0.8 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: **KNB2520, KNB2522, KNB2523**
250 V AC class Y2

Capacitance C(pF)	Dimensions					 EN 132 400 250V AC	For capacitors with insulated leads on request			
	Lmax (mm)	Hmax (mm)	Wmax (mm)	PCM (mm)	φ (mm)		 UL 1283 275V AC	 UL 1414 250V AC	 C22.2 No.1 250V AC	 C22.2 No.8 275V 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	•	•	•	•	•
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	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	•	•	•	•	•

Approvals in use = •

Approvals in pending = o

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