BREL International

CLT-Series
Low TCR Thick Film Chip Resistors
Sizes: 1206, 2512, 4020

High-ohmic thick film resistors with TCR data previously only reached by thin film technology

RoHS / ELV conform 2011/65/EC 2000/53/EC

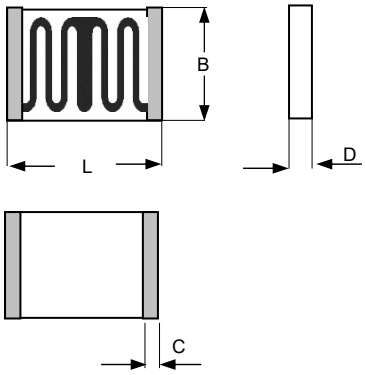
e3

Features:

- Meander structured high value chip resistors in thick film technology
- Very low temperature and voltage dependency
  - TCR down to 10 ppm/K
  - VCR below 25 ppm/V
- Soft termination with pure Tin surface
- Glass passivated resistor element

Dimensions:

Size		L (mm)	B (mm)	D (mm)	C (mm)
Imperial (Standard)	Metric (ref. only)	length	width	thickness	width of wrap around
1206	3216	3.20 $^{+0.15/-0.05}$	1.50 $^{+0.2/-0.05}$	0.40 $^{+0.15/-0.05}$	0.3 $^{+0.2/-0.1}$
2512	6332	6.30 $^{+0.15/-0.05}$	3.50 $^{+0.2/-0.05}$	0.60 $^{+0.15/-0.05}$	0.9 $^{\pm 0.2}$
4020	10050	10.20 $^{+0.20/-0.05}$	5.10 $^{+0.2/-0.05}$	0.60 $^{+0.20/-0.1}$	0.9 $^{\pm 0.2}$



Technical data – depending on size:

Size	1206	2512	4020
Power rating P_{70} (mW) (P_{155} = 0 mW)	250	750	1000
Working voltage U_, U_{eff} (V) [1]	600	2500	4000

Range [2] / Tolerances / Temperature coefficient TCR [3] / VCR [4]			
1k0 - 3M3	0,25 / 0,5 / 1 % TCR 10/15/25 ppm/K	-	-
100k – 1G	-	0,25 / 0,5 / 1 % TCR 10/15/25 ppm/K VCR 25 ppm/V	0,25 / 0,5 / 1 % TCR 10/15/25 ppm/K VCR 25 ppm/V

[1] Continuous operating voltage (U_, U_{eff}): V ≤ √(P*R) or max. working voltage (the lower value)
[2] other values on request
[3] Temperature coefficient TCR: in ppm/K; +25°C...+85°C
[4] VCR: typical values, all negative, not for all temperature coefficient values available

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