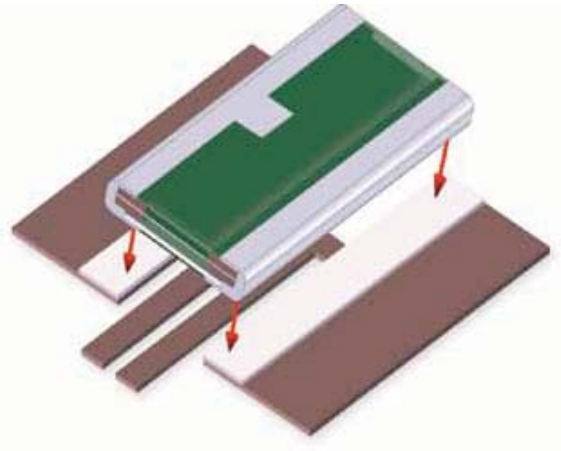




SURFACE MOUNT ASSEMBLY (ISA-PLAN®)

Product series: VLx

Sizes: 0612 / 1020



Technical data

Resistance values	1 to 250 mOhm
Tolerance	1%, 5%
Temperature coefficient	< 50 ppm/K (20 °C to 60 °C)
Applicable temperature range	-55 °C to +170 °C
Load capacity	Up to 2W
Internal heat resistance	< 30 K/W
Insulation voltage	200 V
Inductance	< 1nH
Stability (nominal load)	< 0.5% after 2000 h ($T_K = 100\text{ °C}$)
Deviation terminal temperature = T_K	< 0.7% after 2000 h ($T_K = 130\text{ °C}$)

Features

- _ Up to 2 Watts permanent power at 130 °C
- _ Constant current up to 45 A (1 mOhm)
- _ Small component size (0612)
- _ Very high pulse power rating
- _ Very good long-term stability
- _ Mounting: reflow and infrared soldering
- _ AEC-Q200 qualification in preparation

Advantages/user benefits

- _ 4-terminal connection on substrate
- _ Tin/copper plated terminals for optimum soldering points
- _ Reflow and infrared soldering
- _ Extremely low internal heat resistance
- _ Virtually unaffected by ambient temperature in range -55 to +170 °C due to low TC
- _ Negligible thermal EMF against copper (< 1 pV/K)
- _ Very good long-term stability under full load
- _ Large soldering and terminal surface
- _ High mechanical strength of solder joint

Packaging	VLK	VLP
Sizes	0612	1020
Parts per reel	15000	7000
In plastic or cardboard tape	8 mm	12 mm