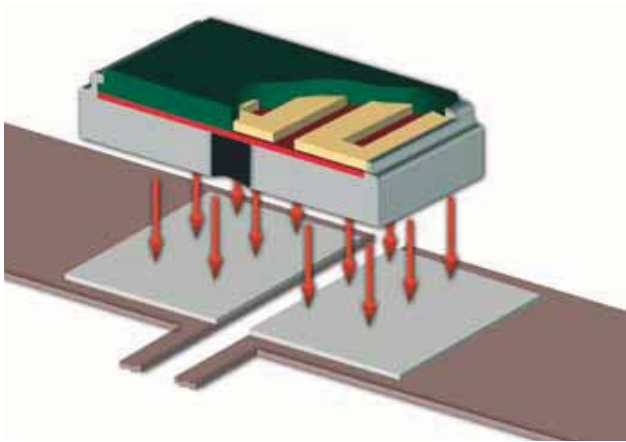




## SURFACE MOUNT ASSEMBLY (ISA-PLAN®)

### Product series: **SMx**

Sizes: 1206/2010/2512/2817



### Technical data

Resistance values	3 mOhm to 2 Ohm
Tolerance	0.5%, 1%, 5%
Temperature coefficient	< 50 ppm/K
Applicable temperature range	-55 °C to +170 °C
Load capacity	Up to 5 W
Internal heat resistance	< 20 K/W SMS/sink height
Insulation voltage	200 V
Inductance	< 3 nH
Stability (nominal load)	< 0.5% after 2000 h ( $T_K = 75\text{ °C}$ )
Deviation terminal temperature = $T_K$	< 0.7% after 2000 h ( $T_K = 105\text{ °C}$ )

### Features

- Up to 5 Watts permanent power at 105 °C
- Constant current up to 34 A (4 mOhm)
- Very high pulse power rating
- Very good long-term stability
- Mounting: reflow, infrared and wave soldering
- AEC-Q200 qualified

### Advantages/user benefits

- 4-terminal connection on substrate
- Reflow, infrared and wave soldering
- Extremely low internal heat resistance
- Virtually unaffected by ambient temperature in range -55 to +170 °C due to low TC
- Very good long-term stability under full load
- High pulse load capacity

Packaging	SMK	SMP	SMS	SMT
Sizes	1206	2010	2512	2817
Parts per reel	12500	10000	5000	5000
In plastic tape	8 mm	12 mm	12 mm	12 mm