



Dimensions in mm

FEATURES

- Small size allows for high mounting density
- Magnetic shielding reduces EMI
- Suitable for pick and place assembly
- Suitable for reflow solder
- Large DC current capability with low DC resistance
- Embossed carrier tape packaging
- Polarity identification available
- Custom inductances available

APPLICATIONS

- DC to DC converters
- Switching regulators
- Power supplies
- EMI/RFI filtering

Wilco Part Number	Inductance (uh)	Tolerance (%)	Test Freq. (MHz)	DCR Max. (Ohms)	Rated Current (A)
SMBS45-100M	10	20	2.52	0.05	2.5
SMBS45-150M	15	20	2.52	0.07	2.3
SMBS45-220M	22	20	2.52	0.9	2.1
SMBS45-330L	33	15	2.52	0.11	1.9
SMBS45-470L	47	15	2.52	0.14	1.6
SMBS45-680L	68	15	2.52	0.18	1.3
SMBS45-101L	100	15	1 KHz	0.28	1.1
SMBS45-151L	150	15	1 KHz	0.38	0.86
SMBS45-221L	220	15	1 KHz	0.58	0.72
SMBS45-331L	330	15	1 KHz	0.92	0.61
SMBS45-471L	470	15	1 KHz	1.18	0.5
SMBS45-681L	680	15	1 KHz	1.8	0.43
SMBS45-821L	820	15	1 KHz	2.04	0.38

Operating Temp: -30° C to 100° C.

External Appearance: Clean and no external defect by visual inspection

Heat Endurance: Heat at 150° C for 3 minutes; then 200° C for 25 seconds. No mechanical or electrical defect after that when back to room temperature.

Insulation: Over 100M ohm at 100 Vdc (coil and core).

Dielectric: 100 Vdc for one minute (coil and core).

Humidity: Deviate +/- 5%, after 96 hours in 90-95% humidity at 40 degrees C and 1 hour of drying.

Vibration: Deviate +/- 5%, vibration of 1 hour, three direction: 10-55-10 Hz: 1.5mm p-p amplitude.

Shock: Deviate 5% after drop down 100G shock attitude for one time in each direction.

Packaging: 500 per reel

Wilco Corporation

6451 Saguro Ct.
Indianapolis, IN 46268
Hotline 800•611•2343
Fax 317•293•9462
www.wilcocorp.com