



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)
SMBS25-100M	10	20	2.52	0.08	1.6
SMBS25-120M	12	20	2.52	0.09	1.5
SMBS25-150M	15	20	2.52	0.11	1.4
SMBS25-220M	22	20	2.52	0.14	1.1
SMBS25-270M	27	20	2.52	0.16	1
SMBS25-330L	33	15	2.52	0.18	0.92
SMBS25-470L	47	15	2.52	0.3	0.76
SMBS25-680L	68	15	2.52	0.37	0.63
SMBS25-820L	82	15	2.52	0.48	0.58
SMBS25-101L	100	15	1 KHz	0.56	0.50
SMBS25-151L	150	15	1 KHz	0.88	0.40
SMBS25-181L	180	15	1 KHz	1.1	0.38
SMBS25-221L	220	15	1 KHz	1.26	0.36

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: 800 per reel

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