



Dimensions in mm

FEATURES

- Small size allows for high mounting density
- 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)
SMPI35-100M	10	20	2.52	0.07	2.3
SMPI35-150M	15	20	2.52	0.09	1.8
SMPI35-220M	22	20	2.52	0.11	1.5
SMPI35-330M	33	20	2.52	0.13	1.2
SMPI35-470K	47	10	2.52	0.18	1.1
SMPI35-680K	68	10	2.52	0.28	0.85
SMPI35-101K	100	10	1 KHz	0.43	0.72
SMPI35-151K	150	10	1 KHz	0.64	0.58
SMPI35-221K	220	10	1 KHz	0.96	0.49
SMPI35-331K	330	10	1 KHz	1.26	0.4
SMPI35-471K	470	10	1 KHz	1.96	0.34

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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