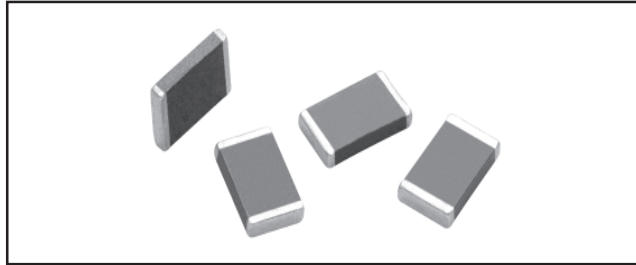


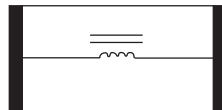
Surface Mount Inductors



FEATURES

- Low profile .047" [1.19mm] maximum thickness.
- Self shielding.
- Surface mountable.
- High Q for high efficiency.
- Excellent energy storage.
- Monolithic, ferrite construction.
- Terminals designed for maximum trace EMI and compact circuit design.
- 1500 pieces, 7" reel.
- Patents obtained.

SCHEMATIC



APPLICATIONS

Low profile DC/DC converters.
Type I PCMCIA.
Hand held electronics.
Flat panel displays.

ELECTRICAL SPECIFICATIONS

Inductance Range: 4.7 μ H to 10 μ H.

Inductance Tolerance: $\pm 20\%$.

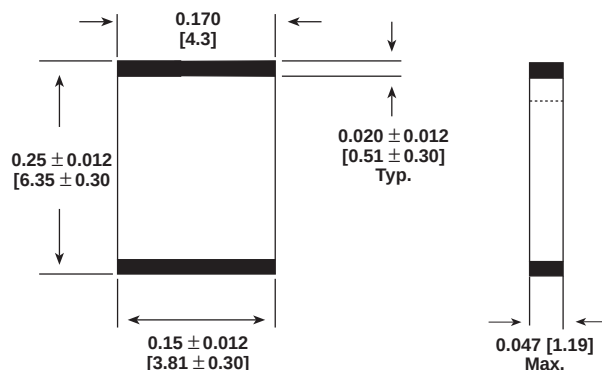
Temperature Range: - 40°C to + 85°C.

STANDARD ELECTRICAL SPECIFICATIONS

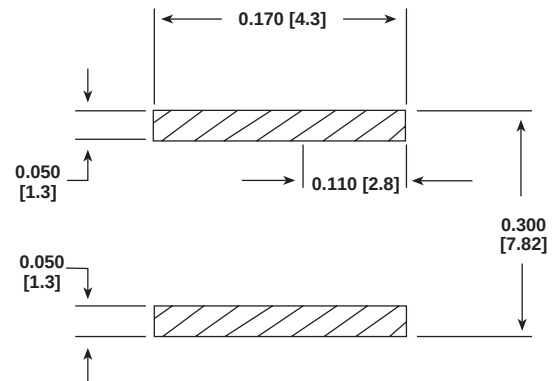
MODEL	IND. (μ H) $\pm 20\%$ @ 1MHz w/ 300mADC	Q @ 1MHz/7MHz (Min.)	SELF RESONANT FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)
ILS-2515-01	4.7	25/55	20	0.58	500
ILS-2515-02	10.0	25/50	15	0.95	500

DIMENSIONAL OUTLINE [Numbers in brackets indicate millimeters]

Dimensional Outline



Pad Layout



PACKAGING OPTIONS

- Tape and Reel:
Embossed plastic carrier tape.
Per EIA481-1.
1500 pieces on a 7" reel.

HOW TO ORDER

ILS-2515 MODEL	10 μ H INDUCTANCE VALUE	$\pm 20\%$ INDUCTANCE TOLERANCE
	- 01 (4.7 μ H) - 02 (10 μ H)	