

# SURFACE MOUNT POWER INDUCTORS / WDI TYPE

## FEATURES

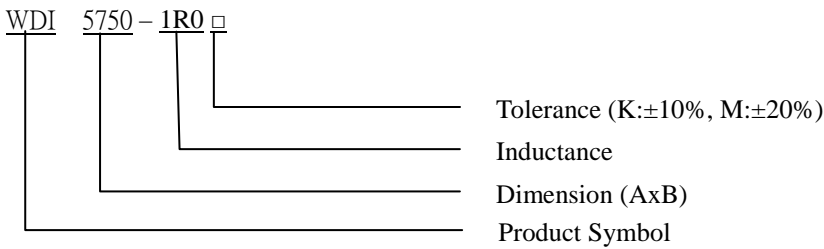
- ◆ The series is a range of miniature, surface-mount.
- ◆ I-core power inductors.
- ◆ Suitable for and reflow soldering.
- ◆ Shapes and dimensions follow E.I.A. spec.
- ◆ They are designed for use in power applications with restricted PCB space and height.



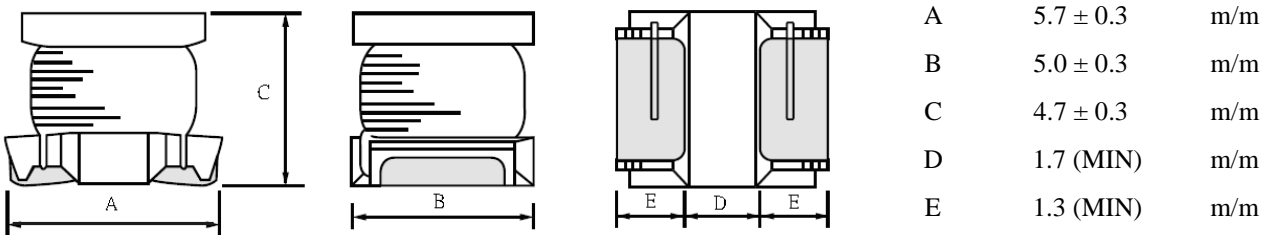
## APPLICATIONS

- ◆ Personal computers.
- ◆ Pagers, Cordless phone.
- ◆ High Freq. Communication Products.
- ◆ Disk Drives and computer peripherals.
- ◆ DC power supply circuits.

## ORDERING CODE



## DIMENSIONS: (UNIT: mm)



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### ELECTRICAL CHARACTERISTICS FOR WDI5750

Part No.	Inductance ( $\mu$ H)	Test Frequency (MHz)	RDC ( $\Omega$ )Max	IDC (A) Max
WDI 5750-R12 □	0.12	1MHz	0.0098	6.00
WDI 5750-R27 □	0.27	1MHz	0.0140	5.30
WDI 5750-R47 □	0.47	1MHz	0.0182	4.80
WDI 5750-1R0 □	1.00	1MHz	0.0270	4.00
WDI 5750-1R5 □	1.50	1MHz	0.0310	3.70
WDI 5750-2R2 □	2.20	1MHz	0.0410	3.20
WDI 5750-3R3 □	3.30	1MHz	0.0500	2.90
WDI 5750-4R7 □	4.70	1MHz	0.0574	2.70
WDI 5750-6R8 □	6.80	1MHz	0.1040	2.00
WDI 5750-100 □	10.0	1MHz	0.1300	1.70
WDI 5750-150 □	15.0	1MHz	0.210	1.40
WDI 5750-220 □	22.0	1MHz	0.266	1.20
WDI 5750-330 □	33.0	1MHz	0.448	0.90
WDI 5750-470 □	47.0	1MHz	0.560	0.80
WDI 5750-680 □	68.0	1MHz	0.938	0.64
WDI 5750-101 □	100	100KHz	1.204	0.56
WDI 5750-151 □	150	100KHz	2.660	0.42
WDI 5750-221 □	220	100KHz	3.360	0.32
WDI 5750-331 □	330	100KHz	6.160	0.27
WDI 5750-471 □	470	100KHz	7.560	0.24
WDI 5750-681 □	680	100KHz	11.34	0.19
WDI 5750-102 □	1000	10KHz	14.42	0.15
WDI 5750-222 □	2200	10KHz	30.10	0.10
WDI 5750-472 □	4700	10KHz	61.04	0.07
WDI 5750-103 □	10000	10KHz	140.0	0.05

**Notes:**

- 1) Test Equipment : HP4284A or WK3260B LCR Meter.
- 2) DCR limits @ 20°C. Test Equipment: CH502BC.
- 3) Tolerance : M= $\pm$ 20%, K= $\pm$ 10%



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