■Surface Mount Shielded Power Inductors TPI Series
(表面接著型閉磁式功率電感------TPI 系列)

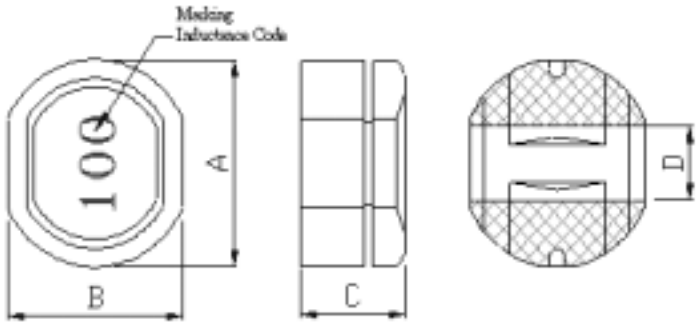
●Features(特徵):

1, To be high saturation for surface mounting.(飽和特性佳。)
2, Excellent solderability and high heat resistance.(絕佳的焊錫性及高溫耐熱性。)
3, Excellent terminal strength construction.(絕佳的端面強度結構。)
4, Packed in embossed carrier tape and can be used by automatic mounting machine.(捲軸包裝, 可用於自動插件機器。)

●Applications(應用):

Excellent as VTR, OA equipment, LCD television sets, notebook PC, portable communication equipments, DC/DC converters, etc.
適用於錄影機、OA 儀器、液晶電視、筆記型電腦、小型通信機器、DC/DC 轉換器等。

●Shape & Dimensions(外觀呎吋):



Series	A(mm)	B(mm)	C(mm)	D(mm)
TPI0502	5.80±0.30	5.20±0.30	2.80 Max	1.50 Typ.
TPI0603	6.20±0.30	5.60±0.30	3.50 Max	1.50 Typ.
TPI0705	7.80±0.30	7.00±0.30	4.90 Max	2.10 Typ.
TPI1005	10.0±0.30	9.00±0.30	5.90 Max	2.90 Typ.
TPI1205	12.50±0.50	11.50±0.50	5.90 Max	4.00 Typ.

●Specification(規格):
◆TPI0502 Series:

Part Number	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω) max.	Rated Current (A) Max
TPI0502-1R0M	1.00±20%	7.96MHz/1.0V	0.05	1.70
TPI0502-1R8M	1.80±20%	7.96MHz/1.0V	0.07	1.20
TPI0502-2R2M	2.20±20%	7.96MHz/1.0V	0.07	1.10
TPI0502-3R3M	3.30±20%	7.96MHz/1.0V	0.08	0.90
TPI0502-5R6M	5.60±20%	7.96MHz/1.0V	0.10	0.75
TPI0502-6R8M	6.80±20%	7.96MHz/1.0V	0.11	0.70
TPI0502-8R2M	8.20±20%	7.96MHz/1.0V	0.13	0.60
TPI0502-100M	10.0±20%	2.52MHz/1.0V	0.15	0.54
TPI0502-150M	15.0±20%	2.52MHz/1.0V	0.20	0.46
TPI0502-220M	22.0±20%	2.52MHz/1.0V	0.28	0.42
TPI0502-330M	33.0±20%	2.52MHz/1.0V	0.45	0.35
TPI0502-390M	39.0±20%	2.52MHz/1.0V	0.55	0.32
TPI0502-470M	47.0±20%	2.52MHz/1.0V	0.60	0.28
TPI0502-560M	56.0±20%	2.52MHz/1.0V	0.76	0.25
TPI0502-680M	68.0±20%	2.52MHz/1.0V	0.92	0.23

◆TPI0603 Series:

Part Number	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω) max.	Rated Current (A) Max
TPI0603-1R0M	1.00±20%	7.96MHz/1.0V	0.05	2.60
TPI0603-1R5M	1.50±20%	7.96MHz/1.0V	0.06	2.40
TPI0603-2R2M	2.20±20%	7.96MHz/1.0V	0.07	2.00
TPI0603-3R3M	3.30±20%	7.96MHz/1.0V	0.08	1.80
TPI0603-3R9M	3.90±20%	7.96MHz/1.0V	0.09	1.70
TPI0603-4R7M	4.70±20%	7.96MHz/1.0V	0.10	1.50
TPI0603-6R8M	6.80±20%	7.96MHz/1.0V	0.11	1.20
TPI0603-8R2M	8.20±20%	7.96MHz/1.0V	0.12	1.10
TPI0603-100M	10.0±20%	2.52MHz/1.0V	0.14	1.00
TPI0603-120M	12.0±20%	2.52MHz/1.0V	0.16	0.94
TPI0603-150M	15.0±20%	2.52MHz/1.0V	0.18	0.86
TPI0603-180M	18.0±20%	2.52MHz/1.0V	0.25	0.78
TPI0603-220M	22.0±20%	2.52MHz/1.0V	0.32	0.76
TPI0603-270M	27.0±20%	2.52MHz/1.0V	0.38	0.64
TPI0603-330M	33.0±20%	2.52MHz/1.0V	0.41	0.61
TPI0603-390M	39.0±20%	2.52MHz/1.0V	0.47	0.53
TPI0603-470M	47.0±20%	2.52MHz/1.0V	0.51	0.50
TPI0603-560M	56.0±20%	2.52MHz/1.0V	0.72	0.46
TPI0603-680M	68.0±20%	2.52MHz/1.0V	0.82	0.42

◆TPI0705 Series:

Part Number	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω) max.	Rated Current (A) Max
TPI0705-100M	10.0±20%	2.52MHz/1.0V	0.07	1.65
TPI0705-120M	12.0±20%	2.52MHz/1.0V	0.07	1.57
TPI0705-150M	15.0±20%	2.52MHz/1.0V	0.08	1.39
TPI0705-180M	18.0±20%	2.52MHz/1.0V	0.10	1.29
TPI0705-220M	22.0±20%	2.52MHz/1.0V	0.13	1.12
TPI0705-270M	27.0±20%	2.52MHz/1.0V	0.16	1.06
TPI0705-330M	33.0±20%	2.52MHz/1.0V	0.18	0.97
TPI0705-390M	39.0±20%	2.52MHz/1.0V	0.18	0.91
TPI0705-470M	47.0±20%	2.52MHz/1.0V	0.27	0.80
TPI0705-560M	56.0±20%	2.52MHz/1.0V	0.29	0.78
TPI0705-680M	68.0±20%	2.52MHz/1.0V	0.33	0.68
TPI0705-820M	82.0±20%	2.52MHz/1.0V	0.43	0.62
TPI0705-101M	100.0±20%	1.0KHz/1.0V	0.49	0.55
TPI0705-121M	120.0±20%	1.0KHz/1.0V	0.68	0.49
TPI0705-151M	150.0±20%	1.0KHz/1.0V	0.94	0.44
TPI0705-181M	180.0±20%	1.0KHz/1.0V	1.00	0.40
TPI0705-221M	220.0±20%	1.0KHz/1.0V	1.18	0.36
TPI0705-271M	270.0±20%	1.0KHz/1.0V	1.30	0.33

◆TPI1005 Series:

Part Number	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω) max.	Rated Current (A) Max
TPI1005-100M	10.0±20%	2.52MHz/1.0V	0.06	2.06
TPI1005-120M	12.0±20%	2.52MHz/1.0V	0.07	1.94
TPI1005-150M	15.0±20%	2.52MHz/1.0V	0.07	1.72
TPI1005-180M	18.0±20%	2.52MHz/1.0V	0.08	1.58
TPI1005-220M	22.0±20%	2.52MHz/1.0V	0.08	1.42
TPI1005-270M	27.0±20%	2.52MHz/1.0V	0.10	1.32

◆TPI1005 Series:

Part Number	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω) max.	Rated Current (A) Max
TPI1005-330M	33.0±20%	2.52MHz/1.0V	0.11	1.16
TPI1005-390M	39.0±20%	2.52MHz/1.0V	0.12	1.10
TPI1005-470M	47.0±20%	2.52MHz/1.0V	0.14	1.00
TPI1005-560M	56.0±20%	2.52MHz/1.0V	0.19	0.93
TPI1005-680M	68.0±20%	2.52MHz/1.0V	0.21	0.85
TPI1005-820M	82.0±20%	2.52MHz/1.0V	0.28	0.79
TPI1005-101M	100.0±20%	1.0KHz/1.0V	0.34	0.72
TPI1005-121M	120.0±20%	1.0KHz/1.0V	0.37	0.63
TPI1005-151M	150.0±20%	1.0KHz/1.0V	0.51	0.55
TPI1005-181M	180.0±20%	1.0KHz/1.0V	0.57	0.50
TPI1005-221M	220.0±20%	1.0KHz/1.0V	0.78	0.47
TPI1005-271M	270.0±20%	1.0KHz/1.0V	0.87	0.41
TPI1005-331M	330.0±20%	1.0KHz/1.0V	1.20	0.37
TPI1005-391M	390.0±20%	1.0KHz/1.0V	1.34	0.35
TPI1005-471M	470.0±20%	1.0KHz/1.0V	1.50	0.33

◆TPI1205 Series:

Part Number	Inductance (μH)	Test Frequency (Hz)	DC Resistance (Ω) max.	Rated Current (A) Max
TPI1205-4R7M	4.70±20%	7.96MHz/1.0V	0.03	3.50
TPI1205-8R2M	8.20±20%	7.96MHz/1.0V	0.05	2.95
TPI1205-100M	10.0±20%	2.52MHz/1.0V	0.05	2.65
TPI1205-150M	15.0±20%	2.52MHz/1.0V	0.06	2.45
TPI1205-220M	22.0±20%	2.52MHz/1.0V	0.07	2.20
TPI1205-330M	33.0±20%	2.52MHz/1.0V	0.10	1.80
TPI1205-470M	47.0±20%	2.52MHz/1.0V	0.12	1.50
TPI1205-680M	68.0±20%	2.52MHz/1.0V	0.17	1.26
TPI1205-101M	100.0±20%	1.0KHz/1.0V	0.25	1.05
TPI1205-121M	120.0±20%	1.0KHz/1.0V	0.28	0.95
TPI1205-151M	150.0±20%	1.0KHz/1.0V	0.40	0.85
TPI1205-181M	180.0±20%	1.0KHz/1.0V	0.48	0.77
TPI1205-221M	220.0±20%	1.0KHz/1.0V	0.52	0.70
TPI1205-271M	270.0±20%	1.0KHz/1.0V	0.70	0.63
TPI1205-331M	330.0±20%	1.0KHz/1.0V	0.80	0.57
TPI1205-391M	390.0±20%	1.0KHz/1.0V	1.08	0.52
TPI1205-471M	470.0±20%	1.0KHz/1.0V	1.20	0.48
TPI1205-561M	560.0±20%	1.0KHz/1.0V	1.34	0.44
TPI1205-681M	680.0±20%	1.0KHz/1.0V	1.78	0.40
TPI1205-821M	820.0±20%	1.0KHz/1.0V	2.00	0.36
TPI1205-102M	1000±20%	1.0KHz/1.0V	2.50	0.32

Other non standard Inductance value are available to meet your exact requirements.

◆Note:

1. Inductance measured by LCR Meter HP 4284A/HP 4286A.
2. DC Resistance measured by Milliohm meter HP4338B.
3. Rated D.C. Current: This indicates the value of current when the inductance is 20% lower than its initial value at D.C. superimposition or D.C. current when at t=40°C, whichever is lower. (Ta=20°C), Test Condition: 1.0KHz/1.0V at WK3260B LCR Meter and WK3265B DC bias.