



# WIRE-WOUND CHIP INDUCTOR – CERAMIC / 0402 (1005)

## 0402HP Series Part Numbering

### Part Numbering (Example)

( Ex. )     0402   H   P -   101   E   J   T   S

**SIZE**

0402	1.0 * 0.5 mm
0603	1.6 * 0.8 mm
0805	2.0 * 1.2 mm
1008	2.5 * 2.0 mm
1206	3.2 * 1.6 mm
1210	3.2 * 2.5 mm

**SHAPE**

C : C SHAPE  
H : H SHAPE

**PROFILE**

S: STANDARD  
Q: HIGH Q  
P: POWER

**INDUCTANCE**

- FIRST 2 DIGITS ARE SIGNIFICANT  
- 3 DIGIT IS MULTIPLIER

**PACK/ FEATURE**

S =EIA RS481 CLEAR TAPE & REEL  
/STANDARD TYPE.

**TERMINAL TYPE/MATERIAL**

T = Terminal / Ceramic Core  
F = Ferrite Core (Substrate)

**INDUCTANCE TOLERANCE**

G=±2%, H=±3%, J=± 5%, K=±10%, M=±20%  
B=±0.1nH. C=±0.2nH. D=±0.5nH

**SHAPE**

E = FLAT TOP



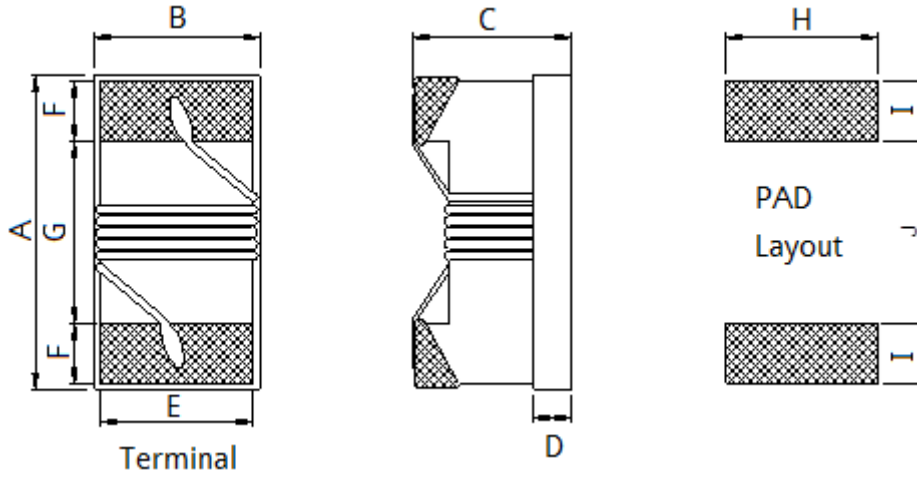
## WIRE-WOUND CHIP INDUCTOR – CERAMIC / 0402 (1005)

### 0402HP Series (1.0 ~ 56nH)

Part Number	Inductance nH	Percent Tolerance	SRF Min GHz	R <sub>DC</sub> Max Ohms	I <sub>DC</sub> Max mA
0402HP-1N0E_TS	1.0 @ 250MHz	10,5,C,D	16.00	0.030	2300
0402HP-2N0E_TS	2.0 @ 250MHz	10,5,C,D	15.20	0.038	2100
0402HP-2N2E_TS	2.2 @ 250MHz	10,5,C,D	15.10	0.038	2100
0402HP-2N4E_TS	2.4 @ 250MHz	10,5,C,D	14.00	0.042	2000
0402HP-2N7E_TS	2.7 @ 250MHz	10,5,C,D	13.00	0.056	1500
0402HP-3N3E_TS	3.3 @ 250MHz	10,5,D	12.80	0.045	1700
0402HP-3N6E_TS	3.6 @ 250MHz	10,5,D	11.70	0.045	1700
0402HP-3N9E_TS	3.9 @ 250MHz	10,5,D	9.50	0.045	1700
0402HP-4N3E_TS	4.3 @ 250MHz	10,5,D	7.15	0.045	1600
0402HP-4N7E_TS	4.7 @ 250MHz	10,5,D	6.85	0.060	1500
0402HP-5N1E_TS	5.1 @ 250MHz	10,5	6.80	0.100	1200
0402HP-5N6E_TS	5.6 @ 250MHz	10,5	6.50	0.048	1600
0402HP-6N2E_TS	6.2 @ 250MHz	10,5	5.80	0.050	1600
0402HP-6N8E_TS	6.8 @ 250MHz	10,5	5.80	0.055	1500
0402HP-7N5E_TS	7.5 @ 250MHz	10,5	5.40	0.080	1400
0402HP-8N2E_TS	8.2 @ 250MHz	10,5	5.40	0.058	1500
0402HP-8N7E_TS	8.7 @ 250MHz	10,5	5.00	0.058	1500
0402HP-9N0E_TS	9.0 @ 250MHz	10,5	5.00	0.080	1400
0402HP-9N5E_TS	9.5 @ 250MHz	10,5	4.70	0.080	1400
0402HP-100E_TS	10.0 @ 250MHz	10,5	4.70	0.085	1300
0402HP-110E_TS	11.0 @ 250MHz	10,5	4.70	0.065	1400
0402HP-120E_TS	12.0 @ 250MHz	10,5	4.40	0.090	1200
0402HP-130E_TS	13.0 @ 250MHz	10,5	4.20	0.140	870
0402HP-150E_TS	15.0 @ 250MHz	10,5	3.90	0.110	1100
0402HP-160E_TS	16.0 @ 250MHz	10,5	3.70	0.130	850
0402HP-180E_TS	18.0 @ 250MHz	10,5	3.55	0.120	900
0402HP-190E_TS	19.0 @ 250MHz	10,5	3.50	0.145	850
0402HP-200E_TS	20.0 @ 250MHz	10,5	3.50	0.185	780
0402HP-210E_TS	21.0 @ 250MHz	10,5	1.70	0.460	450
0402HP-220E_TS	22.0 @ 250MHz	10,5	3.30	0.160	800
0402HP-230E_TS	23.0 @ 250MHz	10,5	3.30	0.160	800
0402HP-240E_TS	24.0 @ 250MHz	10,5	3.15	0.190	700
0402HP-250E_TS	25.0 @ 250MHz	10,5	3.15	0.250	600
0402HP-260E_TS	26.0 @ 250MHz	10,5	3.15	0.275	450
0402HP-270E_TS	27.0 @ 250MHz	10,5	3.20	0.275	450
0402HP-300E_TS	30.0 @ 250MHz	10,5	2.90	0.330	450
0402HP-330E_TS	33.0 @ 250MHz	10,5	2.80	0.330	490
0402HP-360E_TS	36.0 @ 250MHz	10,5	2.80	0.360	480
0402HP-370E_TS	37.0 @ 250MHz	10,5	2.70	0.480	470
0402HP-390E_TS	39.0 @ 250MHz	10,5	2.60	0.430	450
0402HP-400E_TS	40.0 @ 250MHz	10,5	2.60	0.430	450
0402HP-430E_TS	43.0 @ 250MHz	10,5	2.50	0.520	450
0402HP-470E_TS	47.0 @ 250MHz	10,5	2.40	0.580	420
0402HP-510E_TS	51.0 @ 250MHz	10,5	2.30	0.700	360
0402HPH-560E_TS	56.0 @ 250MHz	10,5	2.07	0.900	330

Working Temperature Range : -40°C ~ +125 °C

**Shape & Dimension**



	A		B		C		D Ref.	E	F	G	H	I	J
	Max.	Min	Max.	Min	Max.	Min							
inch	0.045	0.035	0.028	0.016	0.024	0.016	0.008	0.018	0.008	0.024	0.026	0.014	0.020
mm	1.15	0.90	0.70	0.40	0.60	0.40	0.20	0.46	0.20	0.60	0.65	0.35	0.50

Parts/Reel: 7" 4,000PCS  
 Tape Width: 8mm



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## 0402HP Series Typical Electrical Characteristics

