



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

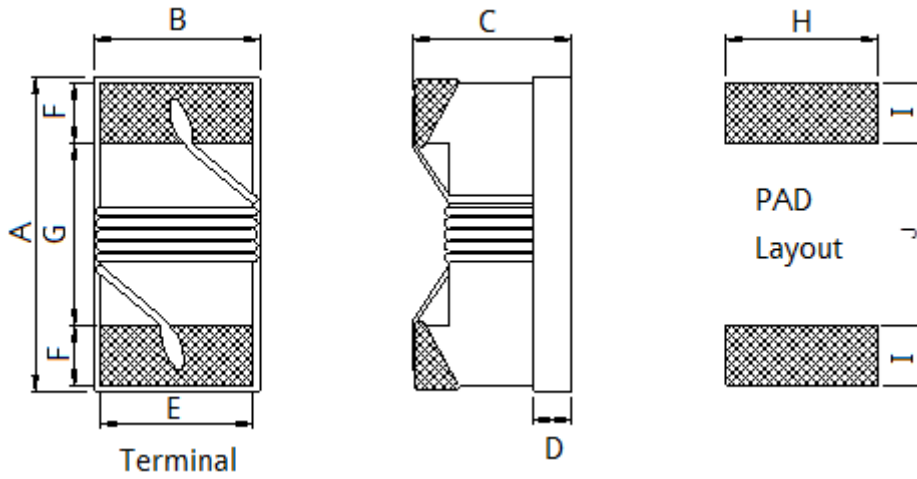


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0402HP Series (1.0 ~ 56nH)

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

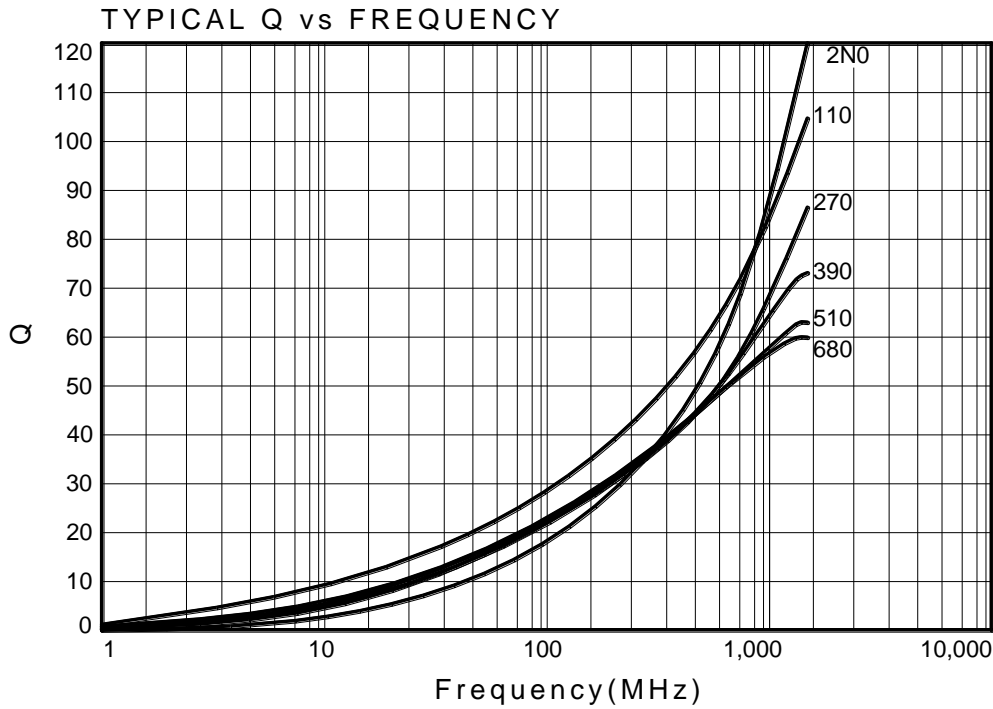
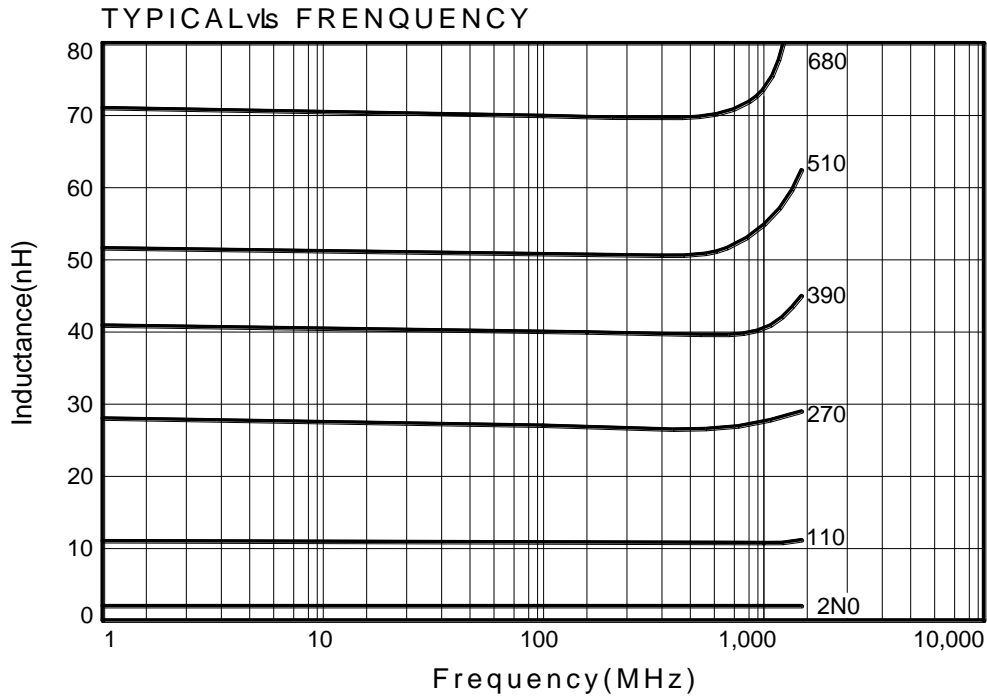
Parts/Reel: 7" 4,000PCS

Tape Width: 8mm



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0402HP Series Typical Electrical Characteristics





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