

1. Part Description

1.1 Part Numbering (Example)

(Ex.) 1206 H S - 120 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
M : MOLDING

PROFILE .

S: STANDARD
T: LOW PROFILE
Q:HIGH Q

INDUCTANCE .

1ST , 2ND , 3RD MULTIPLIER

PACK .

S=EIA RS481 CLEAR TAPE & REEL

TERMINALTYPE/MATERIAL.

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

INDUCTANCE TOLERANCE .

G = $\pm 2\%$, H = $\pm 3\%$, J = $\pm 5\%$, K = $\pm 10\%$
B= $\pm 0.1n H$, C= $\pm 0.2n H$, D= $\pm 0.5 n H$

SHAPE .

E = FLAT TOP



WIRE-WOUND CHIP INDUCTOR – CERAMIC / 1206 (3216)

1206HS Series (6.8 ~ 1200nH)

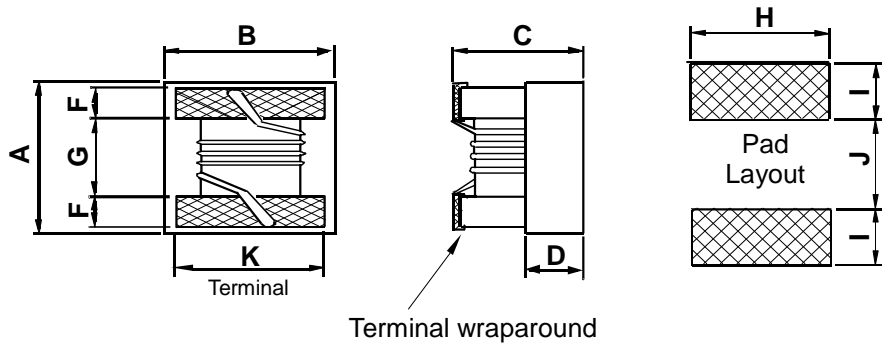
| Part Number | Inductance nH | Percent Tolerance | Q Min | SRF Min MHz | RDC Max Ohms | IDC Max mA |
|----------------|---------------|-------------------|-------------|-------------|--------------|------------|
| 1206HS-6N8E_TS | 6.8 @ 100MHz | 10,5 | 30 @ 300MHz | 5500 | 0.07 | 1000 |
| 1206HS-100E_TS | 10.0 @ 100MHz | 10,5 | 40 @ 300MHz | 4000 | 0.08 | 1000 |
| 1206HS-120E_TS | 12.0 @ 100MHz | 10,5 | 40 @ 300MHz | 3200 | 0.08 | 1000 |
| 1206HS-150E_TS | 15.0 @ 100MHz | 10,5 | 40 @ 300MHz | 3200 | 0.10 | 1000 |
| 1206HS-180E_TS | 18.0 @ 100MHz | 10,5 | 50 @ 300MHz | 2800 | 0.10 | 1000 |
| 1206HS-220E_TS | 22.0 @ 100MHz | 10,5 | 50 @ 300MHz | 2200 | 0.10 | 1000 |
| 1206HS-240E_TS | 24.0 @ 100MHz | 10,5 | 50 @ 300MHz | 2000 | 0.10 | 1000 |
| 1206HS-270E_TS | 27.0 @ 100MHz | 10,5,2 | 50 @ 300MHz | 1800 | 0.11 | 1000 |
| 1206HS-330E_TS | 33.0 @ 100MHz | 10,5,2 | 55 @ 300MHz | 1800 | 0.11 | 1000 |
| 1206HS-390E_TS | 39.0 @ 100MHz | 10,5,2 | 55 @ 300MHz | 1800 | 0.12 | 1000 |
| 1206HS-470E_TS | 47.0 @ 100MHz | 10,5,2 | 55 @ 300MHz | 1500 | 0.13 | 1000 |
| 1206HS-560E_TS | 56.0 @ 100MHz | 10,5,2 | 55 @ 300MHz | 1450 | 0.14 | 1000 |
| 1206HS-620E_TS | 62.0 @ 100MHz | 10,5,2 | 55 @ 300MHz | 1200 | 0.20 | 1000 |
| 1206HS-680E_TS | 68.0 @ 100MHz | 10,5,2 | 55 @ 300MHz | 1200 | 0.26 | 950 |
| 1206HS-820E_TS | 82.0 @ 100MHz | 10,5,2 | 55 @ 300MHz | 1200 | 0.21 | 920 |
| 1206HS-910E_TS | 91.0 @ 100MHz | 10,5,2 | 55 @ 300MHz | 1100 | 0.24 | 900 |
| 1206HS-101E_TS | 100 @ 100MHz | 10,5,2 | 55 @ 300MHz | 1100 | 0.26 | 850 |
| 1206HS-121E_TS | 120 @ 100MHz | 10,5,2 | 55 @ 300MHz | 750 | 0.26 | 800 |
| 1206HS-151E_TS | 150 @ 100MHz | 10,5,2 | 60 @ 300MHz | 950 | 0.31 | 750 |
| 1206HS-181E_TS | 180 @ 50MHz | 10,5,2 | 55 @ 300MHz | 900 | 0.43 | 700 |
| 1206HS-221E_TS | 220 @ 50MHz | 10,5,2 | 55 @ 300MHz | 760 | 0.50 | 670 |
| 1206HS-271E_TS | 270 @ 50MHz | 10,5,2 | 55 @ 300MHz | 740 | 0.56 | 630 |
| 1206HS-301E_TS | 300 @ 50MHz | 10,5,2 | 50 @ 150MHz | 680 | 0.60 | 600 |
| 1206HS-331E_TS | 330 @ 50MHz | 10,5,2 | 45 @ 150MHz | 650 | 0.62 | 590 |
| 1206HS-361E_TS | 360 @ 50MHz | 10,5,2 | 45 @ 150MHz | 600 | 0.65 | 550 |
| 1206HS-391E_TS | 390 @ 50MHz | 10,5,2 | 45 @ 150MHz | 600 | 0.75 | 530 |
| 1206HS-471E_TS | 470 @ 50MHz | 10,5,2 | 45 @ 150MHz | 550 | 1.30 | 490 |
| 1206HS-561E_TS | 560 @ 35MHz | 10,5,2 | 45 @ 150MHz | 470 | 1.34 | 460 |
| 1206HS-621E_TS | 620 @ 35MHz | 10,5,2 | 45 @ 150MHz | 470 | 1.58 | 460 |
| 1206HS-681E_TS | 680 @ 35MHz | 10,5,2 | 45 @ 150MHz | 450 | 1.58 | 430 |
| 1206HS-751E_TS | 750 @ 35MHz | 10,5,2 | 45 @ 150MHz | 440 | 2.25 | 320 |
| 1206HS-821E_TS | 820 @ 35MHz | 10,5,2 | 45 @ 150MHz | 420 | 1.82 | 400 |
| 1206HS-911E_TS | 910 @ 35MHz | 10,5,2 | 45 @ 150MHz | 410 | 2.95 | 310 |
| 1206HS-102E_TS | 1000 @ 35MHz | 10,5,2 | 45 @ 150MHz | 400 | 2.80 | 320 |
| 1206HS-122E_TS | 1200 @ 35MHz | 10,5,2 | 45 @ 150MHz | 380 | 3.20 | 300 |

Working Temperature : -40 °C ~ 125 °C



WIRE-WOUND CHIP INDUCTOR – CERAMIC / 1206 (3216)
1206HS Series Shape Dimension

Shape & Dimension



| | A | | B | | C | | D Ref. | F | G | H | I | J | K |
|------|------|------|-------|-------|-------|-------|-----------|-------|-------|-------|------|------|------|
| | Max. | Ref. | Max. | Ref. | Max. | Ref. | | | | | | | |
| Inch | 0.14 | 0.13 | 0.085 | 0.079 | 0.060 | 0.051 | 0.020 | 0.020 | 0.087 | 0.076 | 0.04 | 0.14 | 0.13 |
| mm | 3.56 | 3.30 | 2.16 | 2.00 | 1.52 | 1.30 | 0.51 | 0.51 | 2.20 | 1.93 | 1.02 | 3.56 | 3.30 |

Parts/Reel: 7" 2,000 PCS

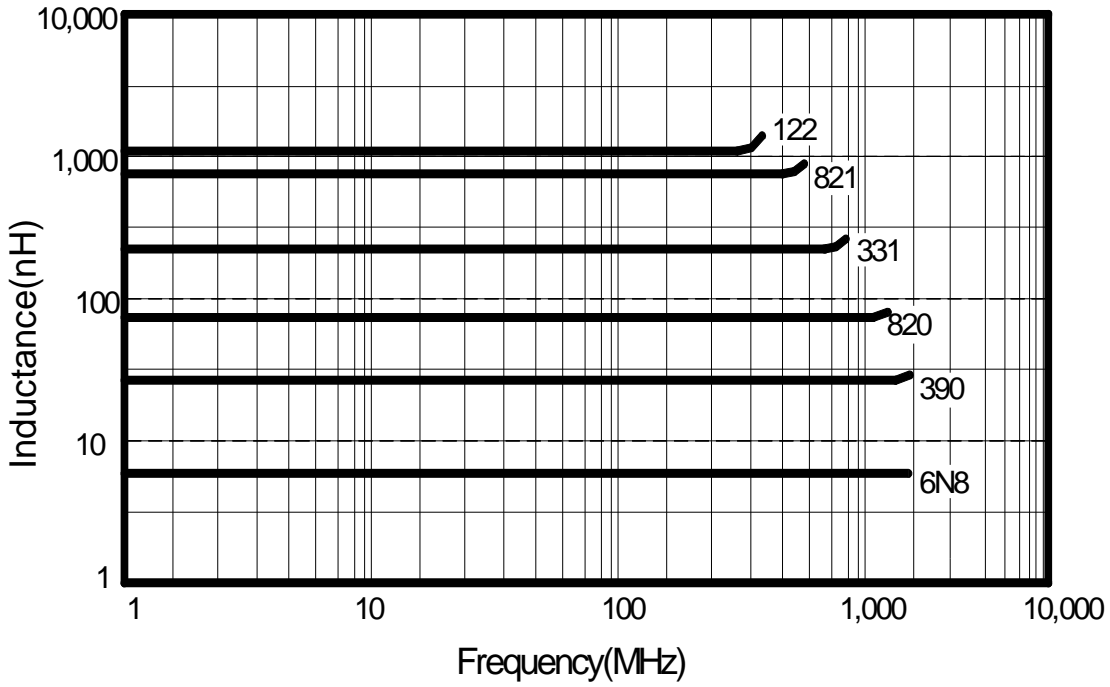
Tape Width: 8mm



WIRE-WOUND CHIP INDUCTOR – CERAMIC / 1206 (3216)

1206HS Series Typical Electrical Characteristics

TYPICAL Lvs FRENQUENCY



TYPICAL Q vs FREQUENCY

