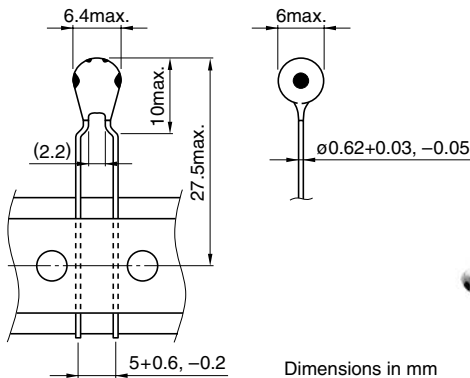


## AMMO-PACK TAPING STYLE SHAPES AND DIMENSIONS



## CHARACTERISTICS

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| Operating temperature range | -20 to +80°C<br>[Including self-temperature rise 20°C max.] |
| Rated current               | Based on inductance change<br>[-10% to the initial value]   |
| Terminal tensile strength   | 14.7N min.                                                  |

## ELECTRICAL CHARACTERISTICS

| Inductance<br>(μH) | Inductance<br>tolerance | Q<br>min. | Test<br>frequency<br>L, Q(MHz) | Self-resonant<br>frequency<br>(MHz)min. | DC<br>resistance<br>(Ω)max. | Rated<br>current<br>(mA)max. | Part No.         | Color code |        |        |        |
|--------------------|-------------------------|-----------|--------------------------------|-----------------------------------------|-----------------------------|------------------------------|------------------|------------|--------|--------|--------|
|                    |                         |           |                                |                                         |                             |                              |                  | 1st        | 2nd    | 3rd    | 4th    |
| 0.22               | ±10%                    | 50        | 25.2                           | 150                                     | 0.15                        | 816                          | EL0606□*-R22K-PF | Red        | Red    | Silver | Silver |
| 0.27               | ±10%                    | 50        | 25.2                           | 150                                     | 0.15                        | 816                          | EL0606□-R27K-PF  | Red        | Violet | Silver | Silver |
| 0.33               | ±10%                    | 50        | 25.2                           | 150                                     | 0.15                        | 816                          | EL0606□-R33K-PF  | Orange     | Orange | Silver | Silver |
| 0.39               | ±10%                    | 50        | 25.2                           | 130                                     | 0.15                        | 816                          | EL0606□-R39K-PF  | Orange     | White  | Silver | Silver |
| 0.47               | ±10%                    | 50        | 25.2                           | 130                                     | 0.15                        | 816                          | EL0606□-R47K-PF  | Yellow     | Violet | Silver | Silver |
| 0.56               | ±10%                    | 50        | 25.2                           | 130                                     | 0.20                        | 707                          | EL0606□-R56K-PF  | Green      | Blue   | Silver | Silver |
| 0.68               | ±10%                    | 50        | 25.2                           | 120                                     | 0.20                        | 707                          | EL0606□-R68K-PF  | Blue       | Gray   | Silver | Silver |
| 0.82               | ±10%                    | 50        | 25.2                           | 120                                     | 0.20                        | 707                          | EL0606□-R82K-PF  | Gray       | Red    | Silver | Silver |
| 1.0                | ±5%                     | 50        | 7.96                           | 100                                     | 0.20                        | 707                          | EL0606□-1R0J-PF  | Brown      | Black  | Gold   | Gold   |
| 1.2                | ±5%                     | 50        | 7.96                           | 85                                      | 0.20                        | 707                          | EL0606□-1R2J-PF  | Brown      | Red    | Gold   | Gold   |
| 1.5                | ±5%                     | 50        | 7.96                           | 70                                      | 0.22                        | 674                          | EL0606□-1R5J-PF  | Brown      | Green  | Gold   | Gold   |
| 1.8                | ±5%                     | 50        | 7.96                           | 60                                      | 0.22                        | 674                          | EL0606□-1R8J-PF  | Brown      | Gray   | Gold   | Gold   |
| 2.2                | ±5%                     | 50        | 7.96                           | 55                                      | 0.25                        | 632                          | EL0606□-2R2J-PF  | Red        | Red    | Gold   | Gold   |
| 2.7                | ±5%                     | 50        | 7.96                           | 50                                      | 0.27                        | 608                          | EL0606□-2R7J-PF  | Red        | Violet | Gold   | Gold   |
| 3.3                | ±5%                     | 50        | 7.96                           | 45                                      | 0.30                        | 577                          | EL0606□-3R3J-PF  | Orange     | Orange | Gold   | Gold   |
| 3.9                | ±5%                     | 50        | 7.96                           | 40                                      | 0.32                        | 559                          | EL0606□-3R9J-PF  | Orange     | White  | Gold   | Gold   |
| 4.7                | ±5%                     | 50        | 7.96                           | 35                                      | 0.35                        | 534                          | EL0606□-4R7J-PF  | Yellow     | Violet | Gold   | Gold   |
| 5.6                | ±5%                     | 50        | 7.96                           | 33                                      | 0.37                        | 519                          | EL0606□-5R6J-PF  | Green      | Blue   | Gold   | Gold   |
| 6.8                | ±5%                     | 50        | 7.96                           | 27                                      | 0.40                        | 500                          | EL0606□-6R8J-PF  | Blue       | Gray   | Gold   | Gold   |
| 8.2                | ±5%                     | 50        | 7.96                           | 25                                      | 0.45                        | 471                          | EL0606□-8R2J-PF  | Gray       | Red    | Gold   | Gold   |
| 10                 | ±5%                     | 50        | 2.52                           | 20                                      | 0.80                        | 353                          | EL0606□-100J-PF  | Brown      | Black  | Black  | Gold   |
| 12                 | ±5%                     | 50        | 2.52                           | 18                                      | 0.90                        | 333                          | EL0606□-120J-PF  | Brown      | Red    | Black  | Gold   |
| 15                 | ±5%                     | 50        | 2.52                           | 17                                      | 1.00                        | 316                          | EL0606□-150J-PF  | Brown      | Green  | Black  | Gold   |
| 18                 | ±5%                     | 50        | 2.52                           | 15                                      | 1.20                        | 288                          | EL0606□-180J-PF  | Brown      | Gray   | Black  | Gold   |
| 22                 | ±5%                     | 50        | 2.52                           | 13                                      | 1.40                        | 267                          | EL0606□-220J-PF  | Red        | Red    | Black  | Gold   |
| 27                 | ±5%                     | 50        | 2.52                           | 11                                      | 1.70                        | 242                          | EL0606□-270J-PF  | Red        | Violet | Black  | Gold   |
| 33                 | ±5%                     | 50        | 2.52                           | 10.5                                    | 2.00                        | 223                          | EL0606□-330J-PF  | Orange     | Orange | Black  | Gold   |
| 39                 | ±5%                     | 50        | 2.52                           | 10.0                                    | 2.40                        | 204                          | EL0606□-390J-PF  | Orange     | White  | Black  | Gold   |
| 47                 | ±5%                     | 50        | 2.52                           | 9.5                                     | 2.70                        | 192                          | EL0606□-470J-PF  | Yellow     | Violet | Black  | Gold   |
| 56                 | ±5%                     | 50        | 2.52                           | 9.0                                     | 2.90                        | 185                          | EL0606□-560J-PF  | Green      | Blue   | Black  | Gold   |
| 68                 | ±5%                     | 50        | 2.52                           | 8.5                                     | 3.10                        | 179                          | EL0606□-680J-PF  | Blue       | Gray   | Black  | Gold   |
| 82                 | ±5%                     | 50        | 2.52                           | 7.5                                     | 3.30                        | 174                          | EL0606□-820J-PF  | Gray       | Red    | Black  | Gold   |

\* □: Please specify packaging style, RA (Taping) or SKI (Bulk)

- Test equipment L, Q: HP4194A IMPEDANCE ANALYZER, or equivalent  
SRF: HP8753C NETWORK ANALYZER, or equivalent  
Rdc: NATIONAL VP-2941A MILLIOHM METER, or equivalent

## ELECTRICAL CHARACTERISTICS

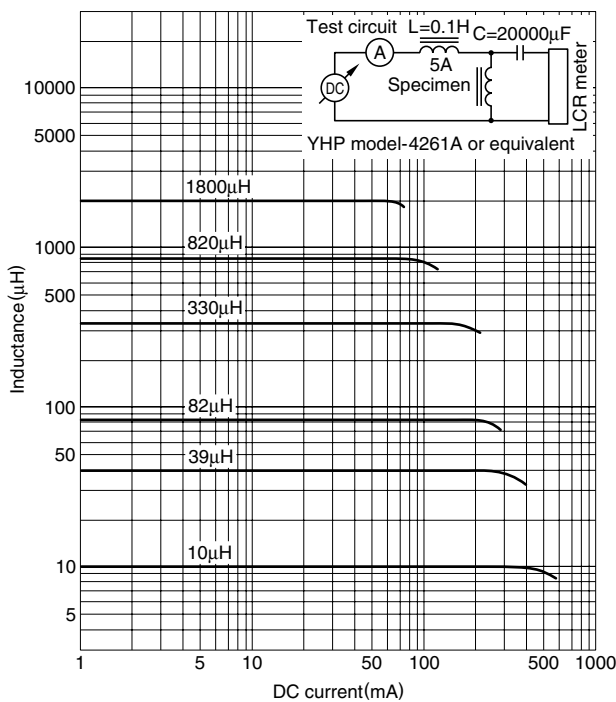
| Inductance<br>( $\mu\text{H}$ ) | Inductance<br>tolerance | Q<br>min. | Test<br>frequency<br>L, Q(MHz) | Self-resonant<br>frequency<br>(MHz)min. | DC<br>resistance<br>( $\Omega$ )max. | Rated<br>current<br>(mA)max. | Part No.        | Color code |        |       |      |
|---------------------------------|-------------------------|-----------|--------------------------------|-----------------------------------------|--------------------------------------|------------------------------|-----------------|------------|--------|-------|------|
|                                 |                         |           |                                |                                         |                                      |                              |                 | 1st        | 2nd    | 3rd   | 4th  |
| 100                             | $\pm 5\%$               | 45        | 0.796                          | 6.8                                     | 3.30                                 | 174                          | EL0606□-101J-PF | Brown      | Black  | Brown | Gold |
| 120                             | $\pm 5\%$               | 45        | 0.796                          | 6.2                                     | 3.50                                 | 169                          | EL0606□-121J-PF | Brown      | Red    | Brown | Gold |
| 150                             | $\pm 5\%$               | 45        | 0.796                          | 5.7                                     | 3.70                                 | 164                          | EL0606□-151J-PF | Brown      | Green  | Brown | Gold |
| 180                             | $\pm 5\%$               | 45        | 0.796                          | 5.3                                     | 4.00                                 | 158                          | EL0606□-181J-PF | Brown      | Gray   | Brown | Gold |
| 220                             | $\pm 5\%$               | 45        | 0.796                          | 4.0                                     | 5.20                                 | 138                          | EL0606□-221J-PF | Red        | Red    | Brown | Gold |
| 270                             | $\pm 5\%$               | 45        | 0.796                          | 3.6                                     | 5.80                                 | 131                          | EL0606□-271J-PF | Red        | Violet | Brown | Gold |
| 330                             | $\pm 5\%$               | 45        | 0.796                          | 3.3                                     | 6.50                                 | 124                          | EL0606□-331J-PF | Orange     | Orange | Brown | Gold |
| 390                             | $\pm 5\%$               | 45        | 0.796                          | 3.0                                     | 7.50                                 | 115                          | EL0606□-391J-PF | Orange     | White  | Brown | Gold |
| 470                             | $\pm 5\%$               | 45        | 0.796                          | 2.8                                     | 8.00                                 | 111                          | EL0606□-471J-PF | Yellow     | Violet | Brown | Gold |
| 560                             | $\pm 5\%$               | 45        | 0.796                          | 2.4                                     | 12.5                                 | 89                           | EL0606□-561J-PF | Green      | Blue   | Brown | Gold |
| 680                             | $\pm 5\%$               | 45        | 0.796                          | 2.2                                     | 14.0                                 | 84                           | EL0606□-681J-PF | Blue       | Gray   | Brown | Gold |
| 820                             | $\pm 5\%$               | 45        | 0.796                          | 2.0                                     | 15.5                                 | 80                           | EL0606□-821J-PF | Gray       | Red    | Brown | Gold |
| 1000                            | $\pm 5\%$               | 30        | 0.252                          | 1.8                                     | 18.5                                 | 73                           | EL0606□-102J-PF | Brown      | Black  | Red   | Gold |
| 1200                            | $\pm 5\%$               | 30        | 0.252                          | 1.7                                     | 29.0                                 | 58                           | EL0606□-122J-PF | Brown      | Red    | Red   | Gold |
| 1500                            | $\pm 5\%$               | 30        | 0.252                          | 1.5                                     | 34.0                                 | 54                           | EL0606□-152J-PF | Brown      | Green  | Red   | Gold |
| 1800                            | $\pm 5\%$               | 30        | 0.252                          | 1.4                                     | 37.0                                 | 51                           | EL0606□-182J-PF | Brown      | Gray   | Red   | Gold |
| 2200                            | $\pm 5\%$               | 30        | 0.252                          | 1.2                                     | 42.0                                 | 48                           | EL0606□-222J-PF | Red        | Red    | Red   | Gold |

\* □: Please specify packaging style, RA (Taping) or SKI (Bulk)

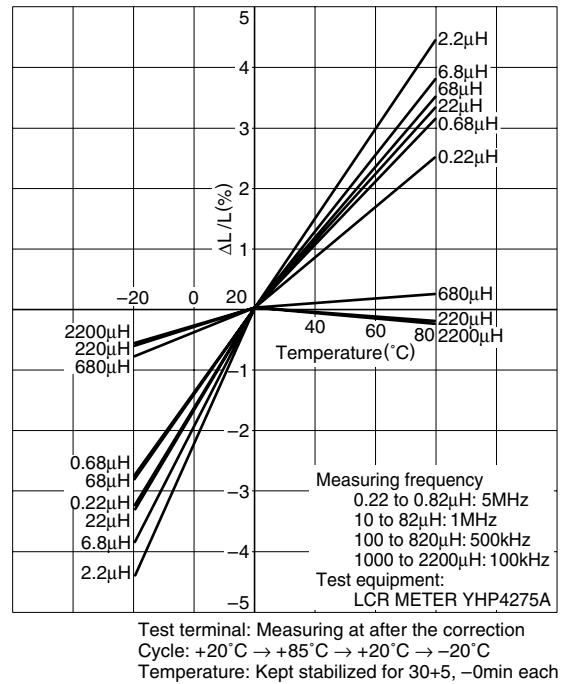
- Test equipment L, Q: HP4194A IMPEDANCE ANALYZER, or equivalent  
SRF: HP8753C NETWORK ANALYZER, or equivalent  
Rdc: NATIONAL VP-2941A MILLIOHM METER, or equivalent

## TYPICAL ELECTRICAL CHARACTERISTICS

### INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS



### INDUCTANCE CHANGE vs. TEMPERATURE CHARACTERISTICS



## TYPICAL ELECTRICAL CHARACTERISTICS

## Q vs. FREQUENCY CHARACTERISTICS

