

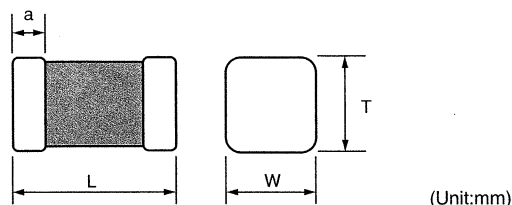
## LZS-HQ Series



LZS1608-HQ



LZS2012-HQ



| Type | L        | W        | T        | a       |
|------|----------|----------|----------|---------|
| 1608 | 1.6±0.15 | 0.8±0.15 | 0.8±0.15 | 0.3±0.2 |
| 2012 | 2.0±0.2  | 1.25±0.2 | 1.25±0.2 | 0.5±0.3 |

### Features

- Most suitable for the noise suppression at ultra high frequency.
- For high-speed signals in the 100Mbps class application.
- Monolithic structure yields reliability.
- Magnetic shielding eliminates cross-talk, thus permitting higher mounting densities.
- Operating temperature range: -55 to +125°C.
- 超高周波帯の高調波ノイズ対策に最適
- 100Mbpsクラスの高速信号に適用できます
- モノリシック構造により高信頼性が得られます
- 磁気シールド構造により、クロストークが小さく、高密度実装が可能です
- 使用温度範囲：-55～+125°C

### Electrical Characteristics

| Part number   | Impedance [ $\Omega$ ] |                      |                    | DC resistance [ $\Omega$ ] max. | Rated current [mA] max. |
|---------------|------------------------|----------------------|--------------------|---------------------------------|-------------------------|
|               | @100MHz<br>$\pm 25\%$  | @500MHz<br>Reference | @1GHz<br>Reference |                                 |                         |
| LZS1608-HQ020 | 1.8                    | 10                   | 15                 | 0.10                            | 300                     |
| LZS1608-HQ040 | 4.7                    | 27                   | 47                 | 0.15                            | 300                     |
| LZS1608-HQ080 | 8.2                    | 47                   | 82                 | 0.20                            | 300                     |
| LZS1608-HQ100 | 10                     | 56                   | 120                | 0.25                            | 300                     |

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|               | @100MHz<br>$\pm 25\%$  | @500MHz<br>Reference | @1GHz<br>Reference |                                 |                         |
| LZS2012-HQ030 | 3.3                    | 18                   | 27                 | 0.10                            | 500                     |
| LZS2012-HQ120 | 12                     | 68                   | 120                | 0.20                            | 500                     |
| LZS2012-HQ150 | 15                     | 100                  | 150                | 0.30                            | 500                     |
| LZS2012-HQ220 | 22                     | 150                  | 270                | 0.40                            | 500                     |

### f-Z Characteristics

