

## 11.7GHz Wire bond Low-Pass Filter

### L117XH3W

#### DESCRIPTION

DLI introduces its new high frequency wire bond catalog low pass filters. These LPF's incorporate DLI's high dielectric ceramic materials which provide small size and minimal performance variation over temperature. The catalog LPF's are offered in a variety of frequency bands, which offers a drop in solution for high frequency attenuation.

#### FEATURES

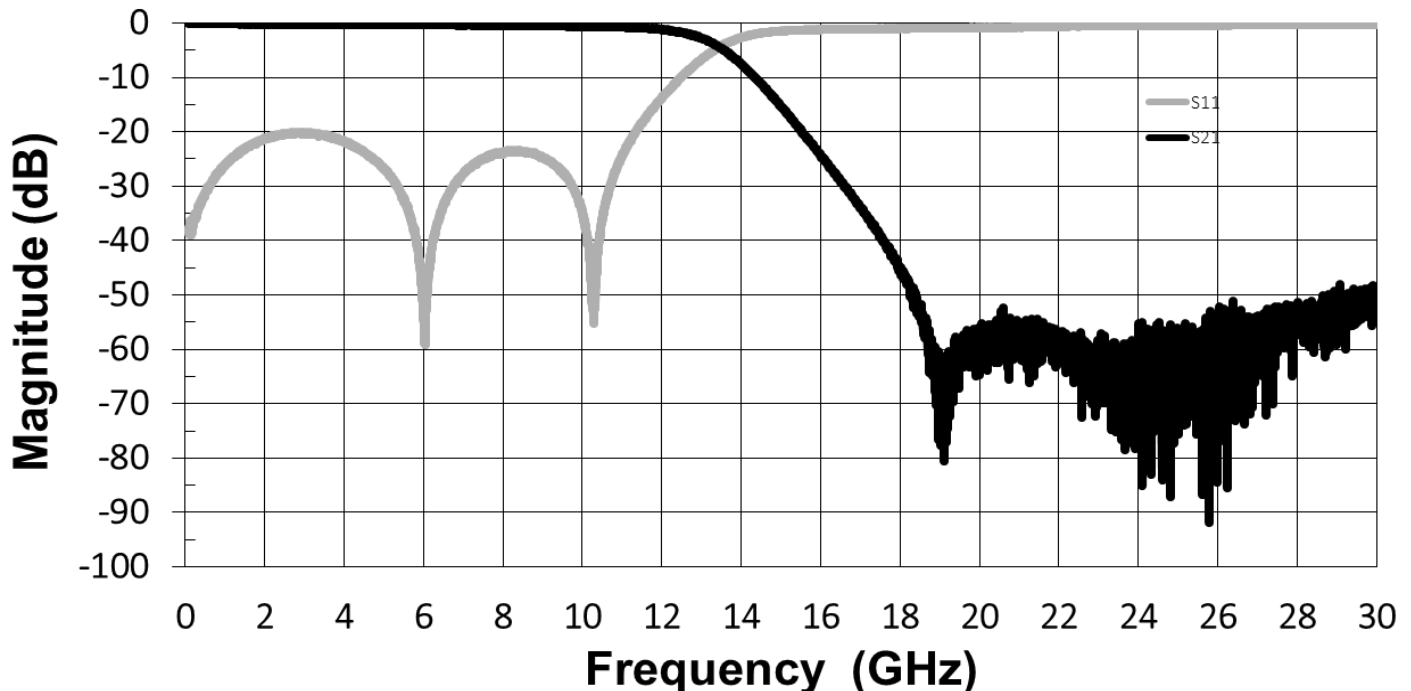
- Small Size
- Fully Shielded Component
- Wirebond
- Moisture Sensitivity Level: MSL1
- Frequency Stable over Temperature
- Operating & Storage Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω

#### SPECIFICATIONS\*

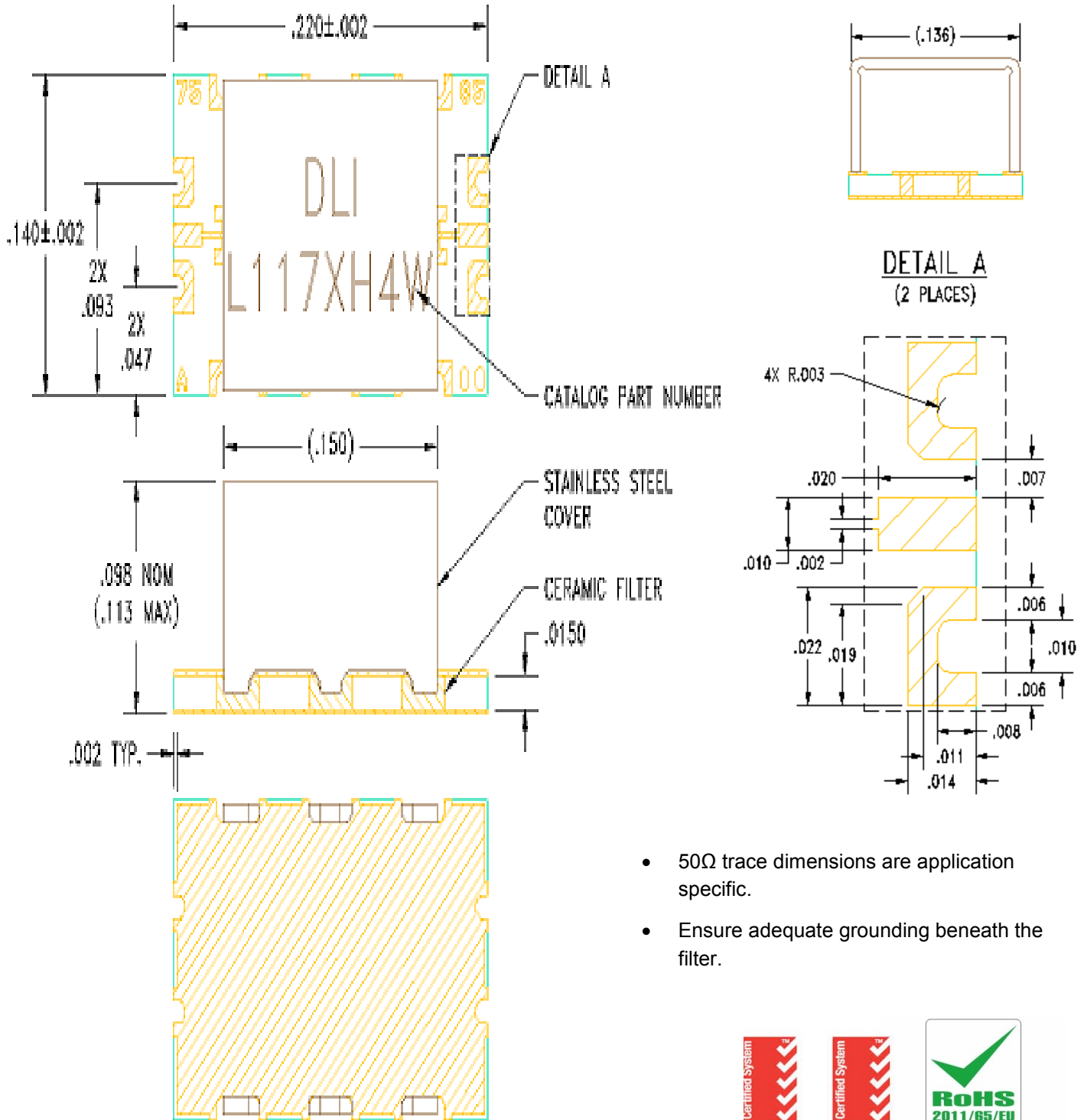
| Parameter                | Frequency (GHz)                                   | Min | Typ. | Max |
|--------------------------|---------------------------------------------------|-----|------|-----|
| Insertion Loss* (dB)     | DC - 11                                           |     | 0.8  | 3.0 |
| Return Loss (dB)         |                                                   | 12  | 20   |     |
| High side Rejection (dB) | 17.6 - 27.8                                       | 40  |      |     |
| Input Power (W)          |                                                   |     |      | TBD |
| Size (LxWxH)             | 0.220 x 0.140 x 0.113 in<br>5.59 x 3.56 x 2.87 mm |     |      |     |

\*Electrical specifications based on typical mounted performance at room temperature. Insertion loss shall vary  $\pm 0.5$ dB over temperature.

#### Typical Measured Performance



**Physical Dimensions**



- 50Ω trace dimensions are application specific.
- Ensure adequate grounding beneath the filter.

