

SMD 3D Coil 12.6X12.6X2.9mm

3D1229 SERIES

FEATURES:

Small solution of 3D coil designed to achieve a very good electrical performance in the smallest dimensions.

OPTIONS:

Packaging unit (parts/reel):1000

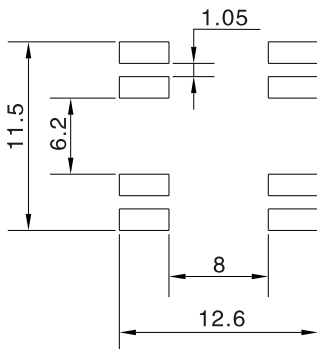
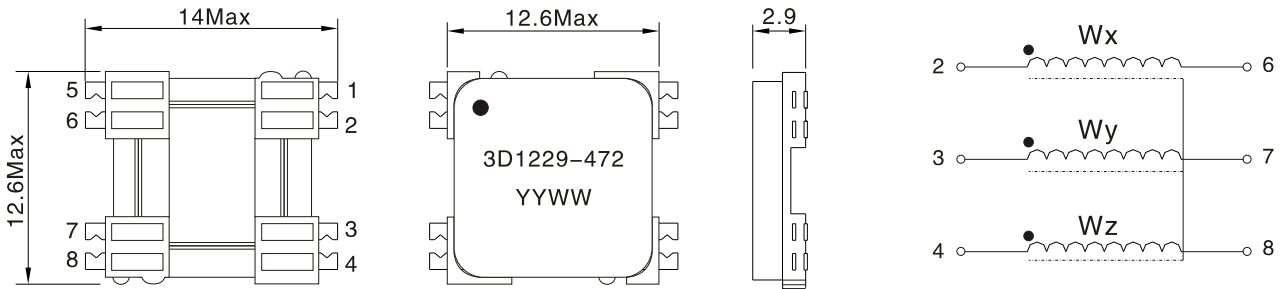
COMMON APPLICATIONS:

- Automotive
- Passive keyless entry and Keyless Go Systems
- RTPMS with wake up functions
- Industrial logistics and control
- Access control
- Tracking devices

Electrical specifications

| Part No. | Lx,y,z mH (125KHz,1V) | Qx,y typ | SRFx,y (KHz,typ) | SRFz (KHz,typ) | RDCx,y (Ω Max) | RDCz (Ω Max) |
|------------|-----------------------------|-------------|---------------------|-------------------|-------------------|-----------------|
| 3D1229-242 | 2.38 | 23 | 500 | 1000 | 75 | 95 |
| 3D1229-252 | 2.47 | 23 | 500 | 800 | 75 | 95 |
| 3D1229-352 | 3.45 | 26 | 450 | 800 | 85 | 120 |
| 3D1229-402 | 4.05 | 26 | 400 | 800 | 98 | 138 |
| 3D1229-472 | 4.77 | 26 | 380 | 800 | 117 | 170 |
| 3D1229-492 | 4.91 | 26 | 350 | 750 | 120 | 175 |
| 3D1229-722 | 7.20 | 30 | 350 | 750 | 150 | 210 |
| 3D1229-103 | 10.0 | 25 | 250 | 550 | 165 | 280 |

Dimensions

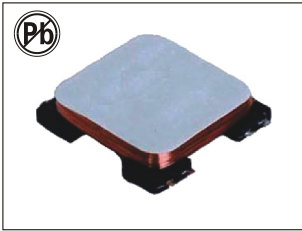


- ※ Sensitivity (S0) measured with Helmholtz Coils H=8.36 A/m@125kHz.
- ※ SRF: Self Resonant Frequency of the coil.
- ※ Wx/Wy/Wz means winding coil of X, Y and Z axis.
- ※ f20/f125/f134.2 means resonant frequency of 20kHz, 125kHz and 134.2kHz.
- ※ Test under the condition of relative humidity of 85%
- ※ Any other inductance value at LF or tighter tolerances can be provided. Also can be supplied different inductance value in the different winding axis. Please contact our salesperson for any inquiries.

Soldering heat resistance:260°C / 10sec

Operating temperature range:-40°C to +125°C

Note:All specifications subject to change without notice.



SMD 3D Coil 12.6X12.6X3.25mm

3D1232 SERIES

FEATURES:

Small solution of 3D coil designed to achieve a very good electrical performance in the smallest dimensions.

OPTIONS:

Packaging unit (parts/reel):1000

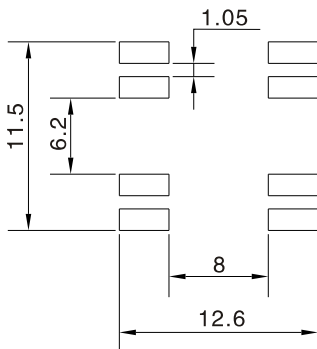
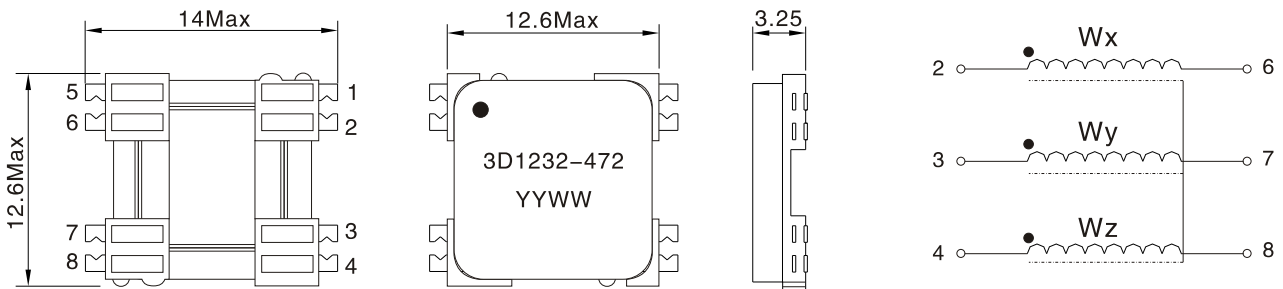
COMMON APPLICATIONS:

- Automotive
- Passive keyless entry and Keyless Go Systems
- RTPMS with wake up functions
- Industrial logistics and control
- Access control
- Tracking devices

Electrical specifications

| Part No. | Lx,y,z mH (125KHz,1V) | Qx,y typ | SRFx,y (KHz,typ) | SRFz (KHz,typ) | RDCx,y (Ω Max) | RDCz (Ω Max) |
|------------|-----------------------------|-------------|---------------------|-------------------|-------------------|-----------------|
| 3D1232-242 | 2.38 | 23 | 500 | 1000 | 75 | 75 |
| 3D1232-252 | 2.47 | 23 | 500 | 800 | 75 | 75 |
| 3D1232-352 | 3.45 | 27 | 450 | 800 | 85 | 100 |
| 3D1232-402 | 4.05 | 27 | 400 | 800 | 98 | 98 |
| 3D1232-472 | 4.77 | 28 | 380 | 800 | 100 | 136 |
| 3D1232-492 | 4.91 | 27 | 350 | 750 | 105 | 140 |
| 3D1232-722 | 7.20 | 30 | 330 | 750 | 120 | 172 |
| 3D1232-103 | 10.0 | 25 | 250 | 550 | 165 | 258 |

Dimensions



※ Sensitivity (S0) measured with Helmholtz Coils H=8.36 A/m@125kHz.

※ SRF: Self Resonant Frequency of the coil.

※ Wx/Wy/Wz means winding coil of X, Y and Z axis.

※ f20/f125/f134.2 means resonant frequency of 20kHz, 125kHz and 134.2kHz.

※ Test under the condition of relative humidity of 85%

※ Any other inductance value at LF or tighter tolerances can be provided. Also can be supplied different inductance value in the different winding axis. Please contact our salesperson for any inquiries.

Soldering heat resistance:260°C / 10sec

Operating temperature range:-40°C to +125°C

Note:All specifications subject to change without notice.