

## 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

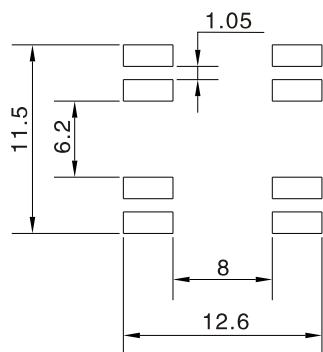
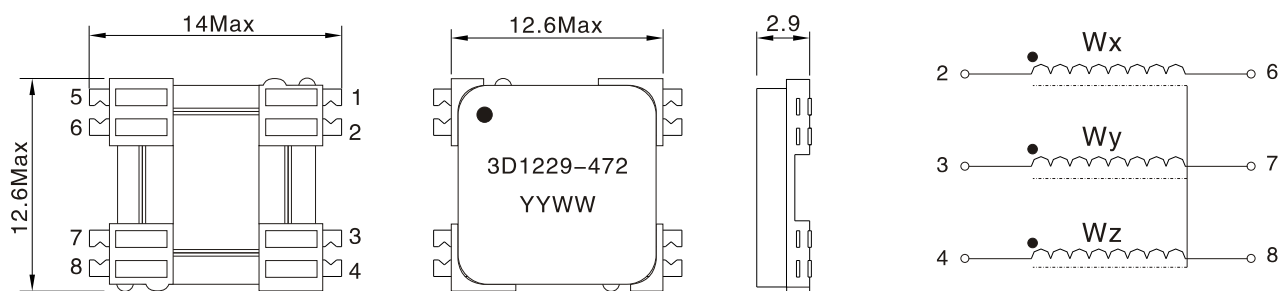
### COMMON APPLICATIONS:

- 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.