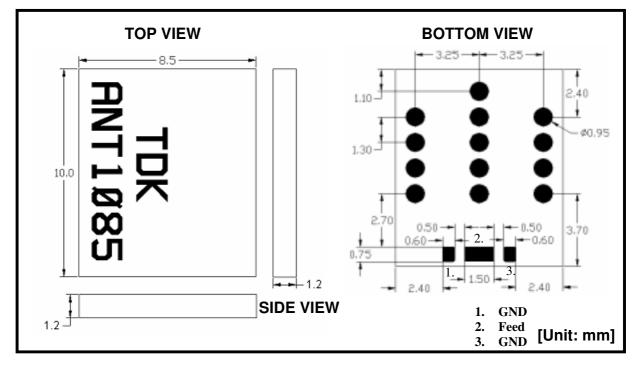
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LTCC CHIP ANTENNA FOR UWB

SAMPLE P/N: **ANT1085-4R1-01A-ES4.5**

[MECHANICAL DIMENSIONS]



[ELECTRICAL CHARACTERISTICS]

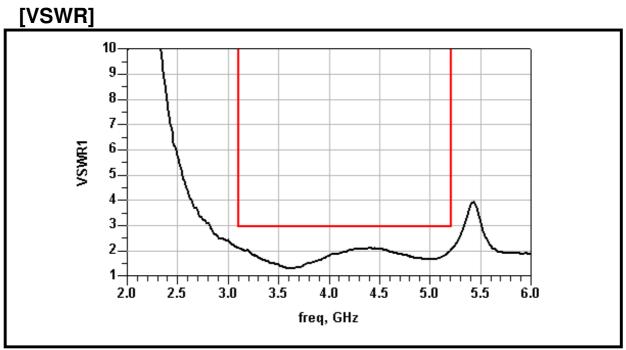
| PARAMETER | VALUE | UNIT |
|---------------------|----------------|------|
| Operation Frequency | 3.1 – 5.2 | GHz |
| Polarization | Linear (Mixed) | NONE |
| Antenna Gain | 2.0 (typ.) | dBi |
| Impedance | 50 | ohm |
| VSWR | 3 (Max) | NONE |

| Operating temperature | -30 | +85 | °C |
|-----------------------|-----|-----|----|
| Storage temperature | -40 | +85 | °C |

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[Recommended PCB Pattern] 7.25 3,25 3,25 2.10 t Ø1.15 Antenna 1.30 **PCB** Outline placement guide 1 -0.500.503.70 -1.001.00 0.71 1.25 Top Side Copper Ø0.60 Ø1.00 Via connects GND to GND Layer GND Layer 50Ω Feed [Unit: mm]

Note 1: No ground should be placed on any layer under the antenna. Note 2: The antenna should be positioned close to the edge of the PCB.

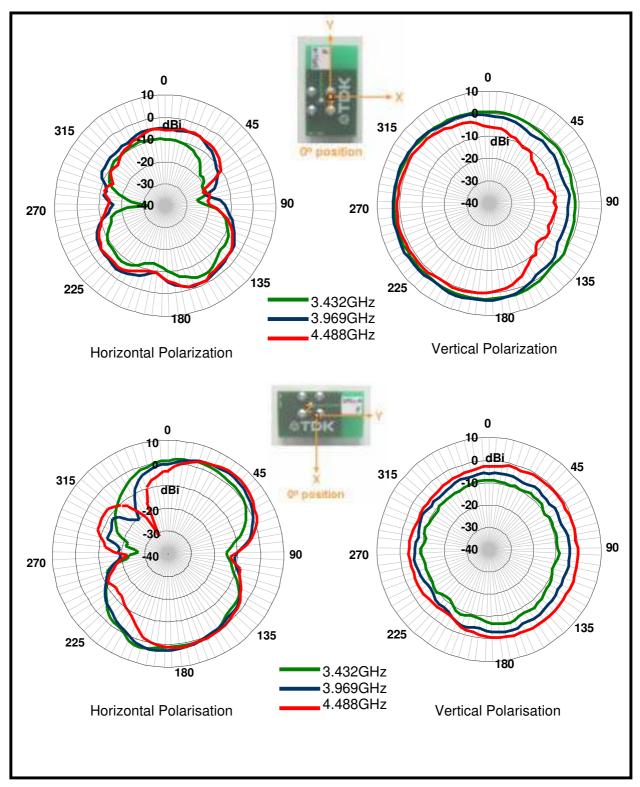


Note: Tested antenna has been soldered on 24X43mm² PCB.

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[RADIATION PATTERN]

- Item: ANT1085 4R1 01A
- Simulated results in advance of measurements



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