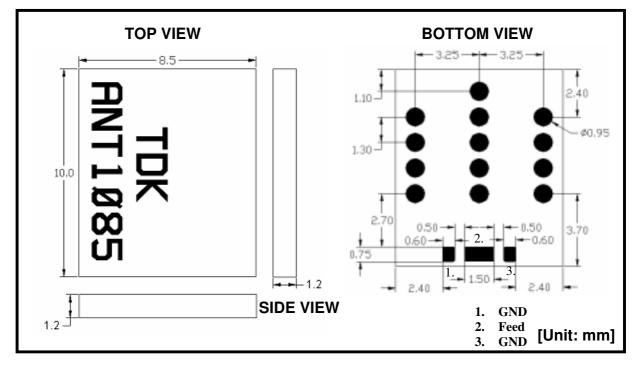
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## LTCC CHIP ANTENNA FOR UWB

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

## [MECHANICAL DIMENSIONS]



# [ELECTRICAL CHARACTERISTICS]

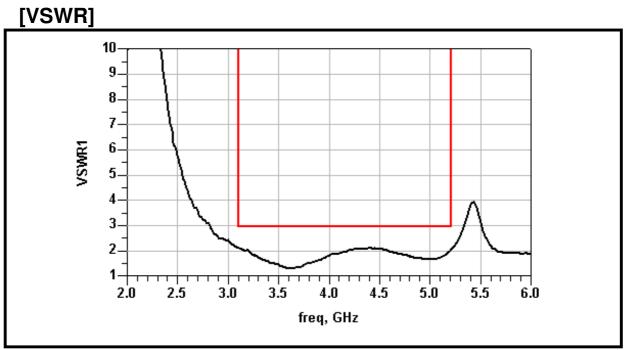
PARAMETER	VALUE	UNIT
Operation Frequency	3.1 – 5.2	GHz
Polarization	Linear (Mixed)	NONE
Antenna Gain	2.0 (typ.)	dBi
Impedance	50	ohm
VSWR	3 (Max)	NONE

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 $50\Omega$ 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.

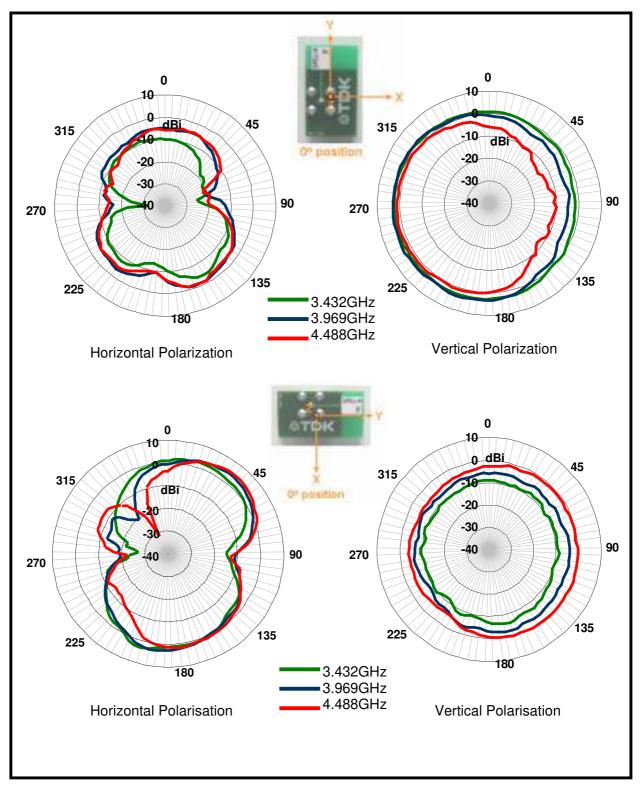


Note: Tested antenna has been soldered on 24X43mm<sup>2</sup> PCB.

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# [RADIATION PATTERN]

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



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