WORLD PRODUCTS INC.

19654 Eighth Street East
P.O. Box 517
Sonoma, CA 95476
(707) 996.5201
www.worldproducts.com
sales@worldproducts.com

WPANT10082

3G Cellular SMT Embedded Antenna



Application

This surface mountable antenna can be easily installed inside any wireless device. Small size and excellent efficiency make this an ideal choice for applications where space is limited.

We can assist your engineers to optimize mounting positions for this antenna in your specific application and can further assist to troubleshoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	824 – 960 MHz	1710 – 2170 MHz
VSWR (Typical)*	< 2:1	< 2:1
Peak Gain [dBi] (Typical)*	1.5 dBi	2.5 dBi
Efficiency [%] (Typical)*	70 %	70 %
Polarization	Linear	Linear
Pattern	Near Omni-directional	Near Omni-directional

*Note: These performance metrics were recorded with the antenna installed on an evaluation board.

Mechanical / Environmental Properties

Antenna Dimensions	1.7'' x 0.47'' x 0.138'' (44mm x 12mm x 3.5mm)
Antenna Color	Black
Operating / Storage Temperature	-40°C to +125°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

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Pictures



