

Game-changing 3D mmWave devices & packaging technology to improve performance, reduce size and lower costs.

PolyStrata® is the industry's first 3D air-dielectric, micro-coax technology. Standard products shipping now from our high-volume production facility.

Industry's highest power density, 10x to 100x reductions in size and weight

Significantly lower insertion loss

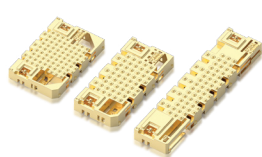
Ultra-broadband high frequency performance, 0.5 dB loss up to 100+ GHz

Superior signal isolation (>80 dB)

Manufacturing on two production lines: 8" wafers and 14" flat panel

Repeatable, scalable production: Qualified for space, airborne and ground applications

What We Offer



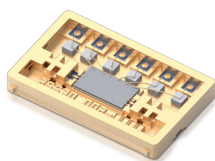
FILTERS

Frequency
27.5 - 30 GHz

Insertion Loss
0.5 dB max

Return Loss
12 dB min

Size
29.2 x 5.6 x 1.7 mm

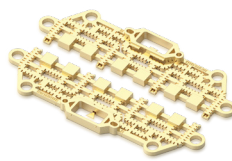


AIR-CAVITY PACKAGES

Frequency
Up to 95 GHz

Insertion Loss
0.5 dB

Thermal Conductivity
400W/mK



COUPLERS/COMBINERS

Frequency
18 - 50 GHz

Insertion Loss (typical)
0.5 dB

Return Loss (typical)
20 dB

Size
7.58 x 4.6 x 1.6 mm



WIDEBAND ANTENNA

Frequency Range
18 - 60+ GHz

Boresight Axial Ratio
1.8 dB


Gain
3 to 5 dBi



**SEE HOW POLYSTRATA TECHNOLOGY
CAN REVOLUTIONIZE YOUR
APPLICATION AT: NUVOTRONICS.COM**



**Proven technology.
Proven manufacturing.**

- DoD Category 1A Trusted IC Supplier - Post Processing and Packaging/Assembly Service
- Approved for ITAR and Classified work
-  **AS9100D CERTIFIED**