

PolyStrata® Solutions

Filters



Multiplexers



Packages



Filter Banks



Baluns



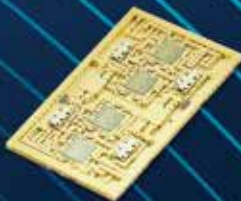
3D Integrations



Combiners



Multifunction RF



Antennas



nuvotronics.com



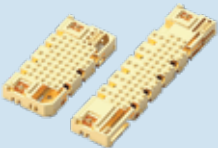
Nuvotronics' PolyStrata® Technology

Nuvotronics has revolutionized mmWave & RF system design for satellite communications, test and measurement, defense, and electronic warfare with advanced mmWave packages, filters, couplers/combiners, and wideband antennas.

PolyStrata Technology uses 3D air-dielectric circuit board innovations to deliver superior performance, significant size and weight reduction, and cost-efficient, rapid manufacturing. Our devices are fully tested to meet stringent industry standards and accelerate market entry for your mmWave systems.

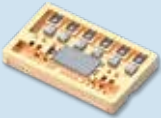
Filters

| | |
|----------------|--------------------|
| Frequency | 27.5 to 30GHz |
| Insertion Loss | 0.5dB max |
| Return Loss | 12dB min |
| Size | 29.2 x 5.6 x 1.7mm |



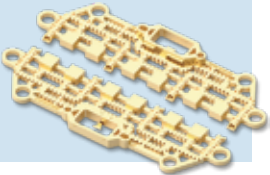
mmWave Packages

| | |
|----------------------|-------------|
| Frequency | Up to 95GHz |
| Insertion Loss | 0.5dB |
| Thermal Conductivity | 400 W/mK |



Combiners

| | |
|--------------------------|------------------|
| Frequency | 18 - 50GHz |
| Insertion Loss - typical | 0.5dB |
| Return Loss - typical | 20dB |
| Size | 7.58 4.6 x 1.6mm |



Antennas

| | |
|----------------------------|----------|
| Frequency Range (GHz) | 18 - 60+ |
| Boresight Axial Ratio (db) | 1.8 |
| Gain (dBi) | 3 to 5 |



Custom options on request.



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