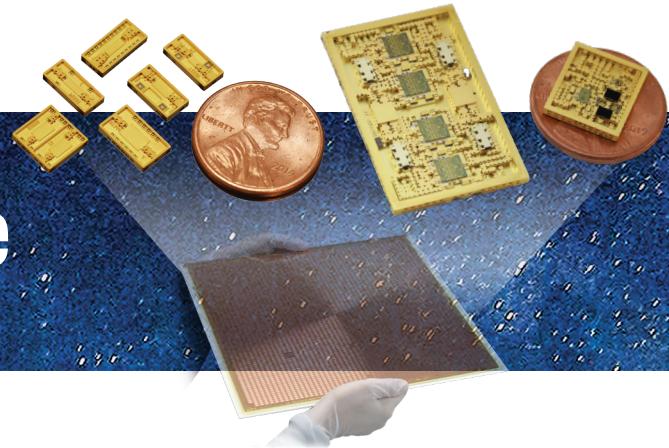


# PolyStrata® Package



Nuvotronics presents a new state of the art low loss MMIC package. The PolyStrata® package complements integrated MMIC performance and can be surface mounted to a PCB using standard SMT processes. This increases the ease of manufacturing while maintaining superior performance in a smaller size compared to other packaging substrates.

## Features and Benefits

- Ultra-Low Loss
- Ideal thermal performance due to solid copper construction
- Chip interface compatible with automated Au wire bonding
- PCB interface compatible with standard SMT processes

## Applications

- Military
- Space
- Communications
- Instrumentation

## Learn More



SCAN ME

| Part Number    | Single Sided Transition Performance |                     |                  | Max Die Size |        |        | Package Size |        |        | DC Pins | Lead Time<br>(if not in stock) |
|----------------|-------------------------------------|---------------------|------------------|--------------|--------|--------|--------------|--------|--------|---------|--------------------------------|
|                | Max Frequency (GHz)                 | Insertion Loss (dB) | Return Loss (dB) | X (mm)       | Y (mm) | Z (mm) | X (mm)       | Y (mm) | Z (mm) |         |                                |
| PSP1025530_002 | 21 GHz                              | 0.2 dB              | 20dB             | 2.1          | 1.3    | 0.08   | 6.34         | 3.896  | 0.7    | 6       | 13 weeks                       |
| PSP1025530_003 | 40 GHz                              | 0.3 dB              | 20dB             | 3.55         | 5.965  | 0.18   | 6.79         | 10.39  | 0.85   | 4       | 15 weeks                       |
| PSP1028104*    | 95 GHz                              | 0.5 dB              | 20dB             | 5            | 5      | 0.1    | 10           | 10     | 0.7    | 12      | 13 weeks                       |
| PSP1028105*    | 95 GHz                              | 0.5 dB              | 20dB             | 4            | 3.75   | 0.1    | 8            | 8      | 0.7    | 12      | 13 weeks                       |
| PSP1028106*    | 95 GHz                              | 0.5 dB              | 20dB             | 3.25         | 3.25   | 0.1    | 7            | 7      | 0.7    | 12      | 13 weeks                       |
| PSP1028107*    | 95 GHz                              | 0.5 dB              | 20dB             | 2.55         | 2.55   | 0.1    | 6            | 6      | 0.7    | 10      | 13 weeks                       |
| PSP1028108*    | 95 GHz                              | 0.5 dB              | 20dB             | 1.6          | 1.6    | 0.1    | 5            | 5      | 0.7    | 8       | 13 weeks                       |
| PSP1028109*    | 50 GHz                              | 0.3 dB              | 20dB             | 5            | 5      | 0.1    | 7            | 7      | 0.4    | 12      | 9 weeks                        |
| PSP1028110*    | 50 GHz                              | 0.3 dB              | 20dB             | 4            | 4      | 0.1    | 6            | 6      | 0.4    | 10      | 9 weeks                        |
| PSP1028111*    | 50 GHz                              | 0.3 dB              | 20dB             | 3            | 3      | 0.1    | 5            | 5      | 0.4    | 8       | 9 weeks                        |
| PSP1028112*    | 50 GHz                              | 0.3 dB              | 20dB             | 2            | 2      | 0.1    | 4            | 4      | 0.4    | 6       | 9 weeks                        |
| PSP1028113*    | 50 GHz                              | 0.3 dB              | 20dB             | 1            | 1      | 0.1    | 3            | 3      | 0.4    | 4       | 9 weeks                        |

\*In development