

## LOW NOISE AMPLIFIERS (LNAs)

### Standard LNA Module Specifications

| Model No.          | Frequency.<br>Range - GHz | Key Parameters |             |          |            |       |                |                |                |
|--------------------|---------------------------|----------------|-------------|----------|------------|-------|----------------|----------------|----------------|
|                    |                           | Gain -<br>dB   | P1dB<br>dBm | NF<br>dB | IP3<br>dBm | VSWR  | RF Con<br>Type | Module<br>Size | DC Power<br>V  |
| MTW0409-1520       | 0.400-0.900               | 36             | 23          | 0.9      | 40         | 1.5:1 | SMA-F          | TBD            | 5              |
| MTW0811-1530       | 0.800-1.100               | 34             | 23          | 0.6      | 40         | 1.5:1 | SMA-F          | TBD            | 5              |
| MTW1722-1530       | 1.700-2.200               | 33             | 22          | 0.7      | 40         | 1.5:1 | SMA-F          | TBD            | 5              |
| MTW1525-1530       | 1.500-2.500               | 33             | 22          | 0.7      | 40         | 1.5:1 | SMA-F          | TBD            | 5              |
| MTW2127-1530       | 2.100-2.700               | 30             | 22          | 0.8      | 40         | 1.5:1 | SMA-F          | TBD            | 5              |
| MTW3442-1530       | 3.400-4.200               | 15             | 18          | 0.8      | 39         | 1.5:1 | SMA-F          | TBD            | 5              |
| MTW4960-1530       | 4.900-6.000               | 15             | 18          | 0.5      | 39         | 1.5:1 | SMA-F          | TBD            | 5              |
| MTW37-42-1530      | 3.700-4.200               | 30             | 23          | 0.9      | 36         | 1.5:1 | SMA-F          | TBD            | 5              |
| MTW107127-<br>1530 | 10.70-12.75               | 30             | 15          | 0.9      | 33         | 1.5:1 | SMA-F          | TBD            | 5              |
| MTW2040-3030       | 2.000-4.000               | 30             | 30          | 0.9      | 39         | 1.5:1 | SMA-F          | TBD            | 5 <sup>4</sup> |
|                    |                           |                |             |          |            |       |                |                |                |
|                    |                           |                |             |          |            |       |                |                |                |

#### NOTES:

- 1.0 Model number: xxxx-yyyy – start freq.- x.x GHz - end freq.-x.xGHz & yy-P1dB - yy-Gain-dB
- 2.0 DC power is through the output RF connector
- 3.0 RF Coupled port to inject test signal is available on request
- 4.0 LNAs intended for RADAR application have an input limiter diode to withstand up to 30dBm CW input signal