

## Microstrip Transmission Lines Engineering Kits

### Transmission Lines with Two Rows of Tuning Pads\*

Applied Thin-Film Products (ATP) is pleased to offer new Microstrip Transmission Lines Engineering Kits to help your bread-boarding needs with a cost effective solution.

Engineering Kits are readily available on As-Fired Alumina in the following thicknesses:

- 0.010" (0.254mm)

Each Engineering Kit contains a variety of transmission lines with two rows of tuning pads in lengths of:

- 0.050" (1.270mm)
- 0.075" (1.905mm)
- 0.100" (2.540mm)
- 0.125" (3.175mm)
- 0.150" (3.810mm)
- 0.200" (5.080mm)
- 0.250" (6.350mm)
- 0.500" (12.700mm)

Circuit widths are fixed at 0.030" (0.762mm).

Material is As-Fired Al<sub>2</sub>O<sub>3</sub>

Metalization A & B Side:

- TiW = 400 to 800 Angstroms
- Au = 120 μ" minimum

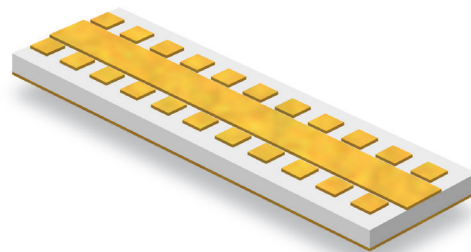
Inquire with ATP Sales for special pricing and quick turns on Kits with the following part numbers:

- ATP-WP4-F-015-030-ENGGIT
- ATP-WP4-F-025-050-ENGGIT

P/N List (Inches)	P/N List (mm)	Quantity
ATP-WP2-F-010-030-050	ATP-WP2-F-0.254-0.762-1.270	15
ATP-WP2-F-010-030-075	ATP-WP2-F-0.254-0.762-1.905	15
ATP-WP2-F-010-030-100	ATP-WP2-F-0.254-0.762-2.540	10
ATP-WP2-F-010-030-125	ATP-WP2-F-0.254-0.762-3.175	10
ATP-WP2-F-010-030-150	ATP-WP2-F-0.254-0.762-3.810	10
ATP-WP2-F-010-030-200	ATP-WP2-F-0.254-0.762-5.080	5
ATP-WP2-F-010-030-250	ATP-WP2-F-0.254-0.762-6.350	5
ATP-WP2-F-010-030-500	ATP-WP2-F-0.254-0.762-12.700	5

\* 50 ohm impedance and data available upon request. Please inquire with ATP Sales.

Note: By design, these parts may occasionally have burrs/tails since ATP is dicing through Au. There is no pullback in these designs.



ATP offers build-to-print service for a wide range of materials and metalization schemes. ATP fabricates circuits on substrates from As-Fired Alumina to Beryllium Oxide to Fused Silica, even Silicon. Metalizations range from the standard TaN/TiW/Au to films including Nickel, Palladium, or Titanium.

At ATP, we constantly evolve our processing and material capabilities to reflect our customer's changing needs. If you have a circuit requirement that is out of the "normal" thin-film type, please contact ATP at 510.661.4287 or visit our web site at [www.thinfilm.com](http://www.thinfilm.com). ATP would enjoy discussing your application with you and working to develop a solution.

