

Microstrip Transmission Lines Engineering Kits

Single Transmission Lines*

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:

- 0.005" (0.127mm)
- 0.010" (0.254mm)
- 0.015" (0.381mm)
- 0.020" (0.508mm)
- 0.25" (6.35mm)

Each Engineering Kit contains a variety of single transmission lines 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:

- 0.050" (1.270mm) and • 0.060" (1.524mm)
- depending on material thickness.

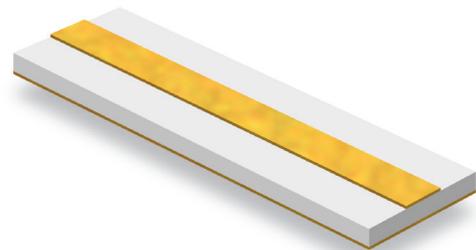
Material is As-Fired Al₂O₃

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-F-005-050-ENGKIT
- ATP-F-010-050-ENGKIT
- ATP-F-015-050-ENGKIT
- ATP-F-020-050-ENGKIT
- ATP-F-025-050-ENGKIT



P/N List (Inches)	P/N List (mm)	Quantity
ATP-F-XXX-050-050	ATP-F-XXX-1.270-1.270	15
ATP-F-XXX-050-075	ATP-F-XXX-1.270-1.905	15
ATP-F-XXX-050-100	ATP-F-XXX-1.270-2.540	10
ATP-F-XXX-050-125	ATP-F-XXX-1.270-3.175	10
ATP-F-XXX-050-150	ATP-F-XXX-1.270-3.810	10
ATP-F-XXX-050-200	ATP-F-XXX-1.270-5.080	5
ATP-F-XXX-050-250	ATP-F-XXX-1.270-6.350	5
ATP-F-XXX-050-500	ATP-F-XXX-1.270-12.700	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. ATP would enjoy discussing your application with you and working to develop a solution.

