

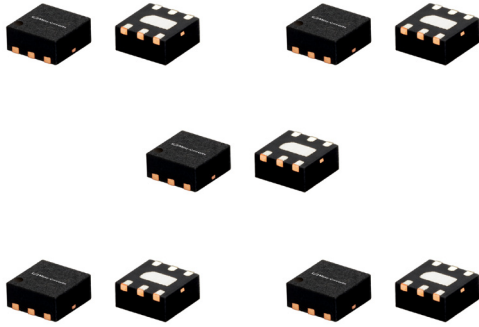


Fixed Attenuators



FEATURES

- 2X2mm QFN Package
- Power Handling up to 2W
- Outstanding Accuracy and Flatness



MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



PRODUCT OVERVIEW

K2-YAT-A+ is a designer kit consisting of all 15 MMIC attenuator models (0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 15, 20, and 30 dB nominal attenuation values) from the YAT-A series. 10 units are included per model. YAT-A attenuators (ROHS compliant) are fixed value, absorptive attenuators fabricated using highly repetitive MMIC processing including thin film resistors on GaAs substrates. YAT-A attenuators contain through-wafer metalization vias to realize low thermal resistance and wideband operation. Models are packaged in 2 mm x 2 mm MCLP™, which fits into tiny spaces.

K2-YAT-A+ ELECTRICAL SPECIFICATIONS

(15 models, 10 of each, 150 pcs total)

| Model No. ¹ | Frequency (GHz) f_L - f_U | Attenuation (dB) Typ. | | | VSWR (:1) Typ. | | | Input Power ² (W) Max. |
|------------------------|----------------------------------|-----------------------|----------|-----------|----------------|----------|-----------|-----------------------------------|
| | | DC-5 GHz | 5-15 GHz | 15-18 GHz | DC-5 GHz | 5-15 GHz | 15-18 GHz | |
| YAT-0A+ | DC-18 | 0.05 | 0.15 | 0.34 | 1.04 | 1.19 | 1.52 | 2.0 |
| YAT-1A+ | DC-18 | 0.93 | 0.92 | 0.97 | 1.08 | 1.18 | 1.60 | 2.0 |
| YAT-2A+ | DC-18 | 1.92 | 1.85 | 1.84 | 1.08 | 1.12 | 1.29 | 2.0 |
| YAT-3A+ | DC-18 | 2.90 | 2.98 | 3.11 | 1.11 | 1.20 | 1.37 | 2.0 |
| YAT-4A+ | DC-18 | 3.92 | 3.98 | 4.07 | 1.12 | 1.16 | 1.29 | 1.7 |
| YAT-5A+ | DC-18 | 4.89 | 4.96 | 5.03 | 1.09 | 1.14 | 1.25 | 1.4 |
| YAT-6A+ | DC-18 | 5.92 | 6.00 | 6.07 | 1.07 | 1.10 | 1.19 | 1.6 |
| YAT-7A+ | DC-18 | 7.03 | 7.07 | 7.10 | 1.06 | 1.11 | 1.17 | 1.3 |
| YAT-8A+ | DC-18 | 8.07 | 8.15 | 8.21 | 1.08 | 1.08 | 1.19 | 1.2 |
| YAT-9A+ | DC-18 | 8.92 | 8.90 | 8.93 | 1.08 | 1.09 | 1.21 | 1.1 |
| YAT-10A+ | DC-18 | 9.97 | 9.98 | 10.05 | 1.09 | 1.10 | 1.21 | 1.7 |
| YAT-12A+ | DC-18 | 12.04 | 12.11 | 12.23 | 1.11 | 1.11 | 1.22 | 1.1 |
| YAT-15A+ | DC-18 | 14.97 | 14.98 | 15.06 | 1.11 | 1.12 | 1.24 | 1.4 |
| YAT-20A+ | DC-18 | 20.05 | 20.15 | 20.31 | 1.11 | 1.10 | 1.21 | 0.8 |
| YAT-30A+ | DC-18 | 29.97 | 30.41 | 30.95 | 1.16 | 1.12 | 1.20 | 1.0 |

1. See individual model datasheets for more info.

2. RF Power at 25°C case temperature. Check individual model datasheet for derated power at 85°C.