

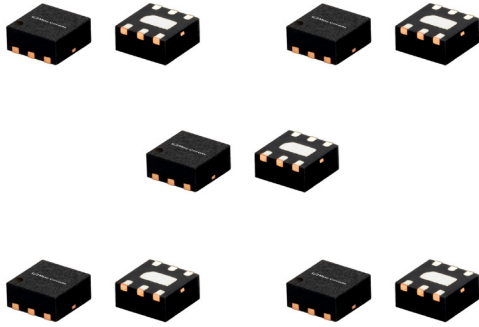


# Fixed Attenuators



## FEATURES

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



## PRODUCT OVERVIEW

K1-YAT-A+ is a designer kit consisting of 5 MMIC attenuator models (3, 6, 10, 15, and 20 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.

## K1-YAT-A+ ELECTRICAL SPECIFICATIONS

(5 models, 10 of each, 50 pcs total)

| Model No. <sup>1</sup> | Frequency (GHz)<br>$f_L$ - $f_U$ | Attenuation (dB) Typ. |          |           | VSWR (:1) Typ. |          |           | Input Power <sup>2</sup> (W) Max. |
|------------------------|----------------------------------|-----------------------|----------|-----------|----------------|----------|-----------|-----------------------------------|
|                        |                                  | DC-5 GHz              | 5-15 GHz | 15-18 GHz | DC-5 GHz       | 5-15 GHz | 15-18 GHz |                                   |
| YAT-3A+                | DC-18                            | 2.90                  | 2.98     | 3.11      | 1.11           | 1.20     | 1.37      | 2.0                               |
| YAT-6A+                | DC-18                            | 5.92                  | 6.00     | 6.07      | 1.07           | 1.10     | 1.19      | 1.6                               |
| YAT-10A+               | DC-18                            | 9.97                  | 9.98     | 10.05     | 1.09           | 1.10     | 1.21      | 1.7                               |
| 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                               |

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.