



## DESIGNER'S KIT K2-UNAT+

# Fixed Attenuators

50Ω DC to 6 GHz



### FEATURES

- Wideband, 50Ω
- 1 dB through 30 dB attenuation
- Type-N male & female connectors
- Rugged Unibody construction
- Small size 2.1"
- Very low cost

MINI-CIRCUITS DESIGNER'S KITS  
**SPEED UP**  
THE SOLUTION



## K2-UNAT+ ELECTRICAL SPECIFICATIONS

(13 models, 1 of each, 13 total)

| Model    | Frequency<br>(GHz)<br><br>f <sub>L</sub> -f <sub>U</sub> | Attenuation <sup>2</sup> (dB)         |      |      |      |      | VSWR (:1) |      |           |      |           | Input<br>Power (W)<br>Max. |
|----------|----------------------------------------------------------|---------------------------------------|------|------|------|------|-----------|------|-----------|------|-----------|----------------------------|
|          |                                                          | Flatness <sup>1</sup>                 |      |      |      |      |           |      |           |      |           |                            |
|          |                                                          | DC-3 GHz 3-4.5 GHz 4.5-6 GHz DC-6 GHz |      |      |      |      | DC-3 GHz  |      | 3-4.5 GHz |      | 4.5-6 GHz |                            |
|          |                                                          | Nom.                                  | Typ. | Typ. | Typ. | Typ. | Typ.      | Max. | Typ.      | Max. | Typ.      |                            |
| UNAT-1+  | DC-6                                                     | 1±0.3                                 | 0.20 | 0.15 | 0.10 | 0.45 | 1.05      | 1.20 | 1.10      | 1.43 | 1.40      | 1.0                        |
| UNAT-2+  | DC-6                                                     | 2±0.3                                 | 0.20 | 0.25 | 0.15 | 0.50 | 1.07      | 1.20 | 1.22      | 1.43 | 1.50      | 1.0                        |
| UNAT-3+  | DC-6                                                     | 3±0.3                                 | 0.20 | 0.10 | 0.10 | 0.35 | 1.05      | 1.20 | 1.22      | 1.43 | 1.50      | 1.0                        |
| UNAT-4+  | DC-6                                                     | 4±0.3                                 | 0.15 | 0.15 | 0.10 | 1.40 | 1.05      | 1.20 | 1.10      | 1.43 | 1.50      | 1.0                        |
| UNAT-5+  | DC-6                                                     | 5±0.3                                 | 0.15 | 0.15 | 0.10 | 0.35 | 1.05      | 1.20 | 1.10      | 1.43 | 1.50      | 1.0                        |
| UNAT-6+  | DC-6                                                     | 6±0.3                                 | 0.15 | 0.15 | 0.15 | 0.40 | 1.05      | 1.20 | 1.20      | 1.43 | 1.50      | 1.0                        |
| UNAT-7+  | DC-6                                                     | 7±0.3                                 | 0.10 | 0.10 | 0.15 | 0.20 | 1.05      | 1.20 | 1.10      | 1.43 | 1.50      | 1.0                        |
| UNAT-8+  | DC-6                                                     | 8±0.3                                 | 0.10 | 0.10 | 0.10 | 0.10 | 1.05      | 1.20 | 1.10      | 1.43 | 1.50      | 1.0                        |
| UNAT-9+  | DC-6                                                     | 9±0.3                                 | 0.15 | 0.10 | 0.10 | 0.15 | 1.05      | 1.20 | 1.10      | 1.43 | 1.50      | 1.0                        |
| UNAT-10+ | DC-6                                                     | 10±0.3                                | 0.10 | 0.20 | 0.20 | 0.40 | 1.15      | 1.25 | 1.20      | 1.50 | 1.50      | 1.0                        |
| UNAT-15+ | DC-6                                                     | 15±0.3                                | 0.20 | 0.35 | 0.20 | 0.60 | 1.15      | 1.43 | 1.20      | 1.80 | 1.70      | 1.0                        |
| UNAT-20+ | DC-6                                                     | 20±0.3                                | 0.45 | 0.45 | 0.40 | 0.75 | 1.15      | 1.25 | 1.20      | 1.43 | 1.30      | 0.5                        |
| UNAT-30+ | DC-6                                                     | 30±0.3                                | 1.20 | 0.70 | 0.40 | 2.30 | 1.04      | 1.25 | 1.07      | 1.25 | 1.10      | 0.5                        |

1. Flatness = variation over band divided by 2.

2. Attenuation varies by 0.3dB max. over temperature.



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