



DESIGNER'S KIT K2-UNAT-A+

Fixed Attenuators



Mini-Circuits

50Ω DC to 6 GHz



FEATURES

- Wideband, 50Ω
- 1 to 10, 15, 20, 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



PRODUCT OVERVIEW

K2-UNAT-A+ is a designer's kit consisting of 13 different attenuator models in the UNAT-A+ family. There is one unit per model for a total of 13 units. Mini-Circuits' UNAT-A series are fixed attenuators operating from DC to 6000 MHz with excellent attenuation flatness. This attenuator series supports testing and measurement applications. Precise performance, excellent VSWR and rugged unibody construction makes these models an ideal solution for systems requiring precise attenuation.

K2-UNAT-A+ ELECTRICAL SPECIFICATIONS

(13 models, 1 of each, 13 pcs total)

Model No. ¹	Frequency (GHz) f_L - f_U	Attenuation ² Flatness ³ (dB)					VSWR (:1)			Input Power ⁵ (W) Max.
		Nom. ⁴	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	
			Typ.	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.	
UNAT-1A+	DC-6	1 ± 0.3	0.20	0.15	0.10	0.40	1.20	1.20	1.50	2.0
UNAT-2A+	DC-6	2 ± 0.3	0.20	0.15	0.20	0.40	1.20	1.30	1.50	2.0
UNAT-3A+	DC-6	3 ± 0.3	0.20	0.15	0.15	0.40	1.22	1.22	1.50	2.0
UNAT-4A+	DC-6	4 ± 0.3	0.20	0.15	0.15	0.40	1.20	1.20	1.50	1.7
UNAT-5A+	DC-6	5 ± 0.3	0.20	0.15	0.15	0.40	1.20	1.20	1.20	1.4
UNAT-6A+	DC-6	6 ± 0.3	0.20	0.15	0.15	0.50	1.20	1.20	1.50	1.6
UNAT-7A+	DC-6	7 ± 0.3	0.20	0.15	0.15	0.40	1.20	1.20	1.50	1.3
UNAT-8A+	DC-6	8 ± 0.3	0.20	0.20	0.20	0.40	1.20	1.20	1.50	1.2
UNAT-9A+	DC-6	9 ± 0.3	0.20	0.15	0.20	0.45	1.20	1.20	1.50	1.1
UNAT-10A+	DC-6	10 ± 0.3	0.20	0.15	0.20	0.40	1.20	1.20	1.30	1.7
UNAT-15A+	DC-6	15 ± 0.3	0.30	0.30	0.30	0.60	1.20	1.20	1.30	1.4
UNAT-20A+	DC-6	20 ± 0.3	0.40	0.40	0.40	0.75	1.20	1.20	1.20	0.8
UNAT-30A+	DC-6	30 ± 0.3	1.00	0.70	0.40	2.00	1.20	1.20	1.30	1.0

1. See individual model data sheets for more info.

2. Attenuation varies by 0.3 dB max over temperature.

3. Flatness = variation over band divided by 2.

4. Nominal attenuation at 10 MHz.

5. RF Power at 25°C. Check individual model data sheet for derated power at 85°C.

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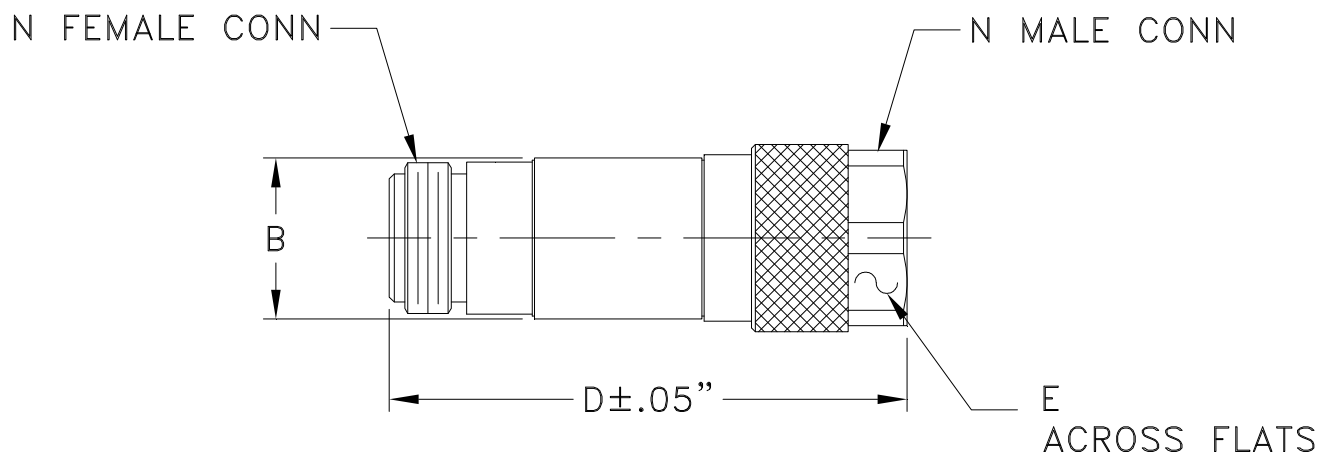
REV. OR
ECO-015321
K2-UNAT-A+
MCL NY
221010

Case Style

FF

Outline Dimensions

FF779



CASE #.	A	B	C	D	E	WT GRAMS
FF779	--	.71 (18.03)	--	2.11 (53.59)	.718 (18.24)	72.5

Dimensions are in inches (mm). Tolerances: 2Pl. +.05/-.04; 3Pl. ± .030

Notes:

1. Case material: Brass.
2. Case finish: Nickel plate.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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RF/IF MICROWAVE COMPONENTS