



Fixed Attenuators



FEATURES

- Wideband, 50Ω
- Input power up to 2W Max.
- 1 to 10 dB attenuation
- SMA Male and Female connectors
- Excellent VSWR, 1.20:1 to 1.45:1 typ.
- Excellent flatness, 0.25 to 0.45 typ
- Length less than 1.5"



PRODUCT OVERVIEW

K2-VAT-A+ is a designer's kit consisting of ten different attenuator models in the VAT-A+ family. There is one unit per model for a total of ten units. Mini-Circuits' VAT-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 make these models an ideal solution for systems requiring precise attenuation.

K2-VAT-A+ ELECTRICAL SPECIFICATIONS

(10 models, 1 of each, 10 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	3-5 GHz	5-6 GHz	DC-6 GHz	DC-3 GHz	3-5 GHz	5-6 GHz	
			Typ.	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.	
VAT-1A+	DC-6	1 ± 0.3	0.25	0.15	0.15	0.30	1.20	1.30	1.40	2.0
VAT-2A+	DC-6	2 ± 0.3	0.30	0.15	0.20	0.30	1.20	1.20	1.40	2.0
VAT-3A+	DC-6	3 ± 0.3	0.25	0.15	0.15	0.30	1.20	1.25	1.40	2.0
VAT-4A+	DC-6	4 ± 0.3	0.25	0.15	0.15	0.40	1.20	1.20	1.45	1.7
VAT-5A+	DC-6	5 ± 0.3	0.25	0.10	0.10	0.30	1.20	1.20	1.40	1.4
VAT-6A+	DC-6	6 ± 0.3	0.25	0.15	0.10	0.45	1.20	1.25	1.20	1.6
VAT-7A+	DC-6	7 ± 0.3	0.25	0.15	0.10	0.25	1.20	1.25	1.40	1.3
VAT-8A+	DC-6	8 ± 0.3	0.25	0.15	0.10	0.30	1.20	1.25	1.30	1.2
VAT-9A+	DC-6	9 ± 0.3	0.25	0.15	0.10	0.35	1.20	1.25	1.45	1.1
VAT-10A+	DC-6	10 ± 0.3	0.25	0.20	0.15	0.35	1.20	1.20	1.40	1.7

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.

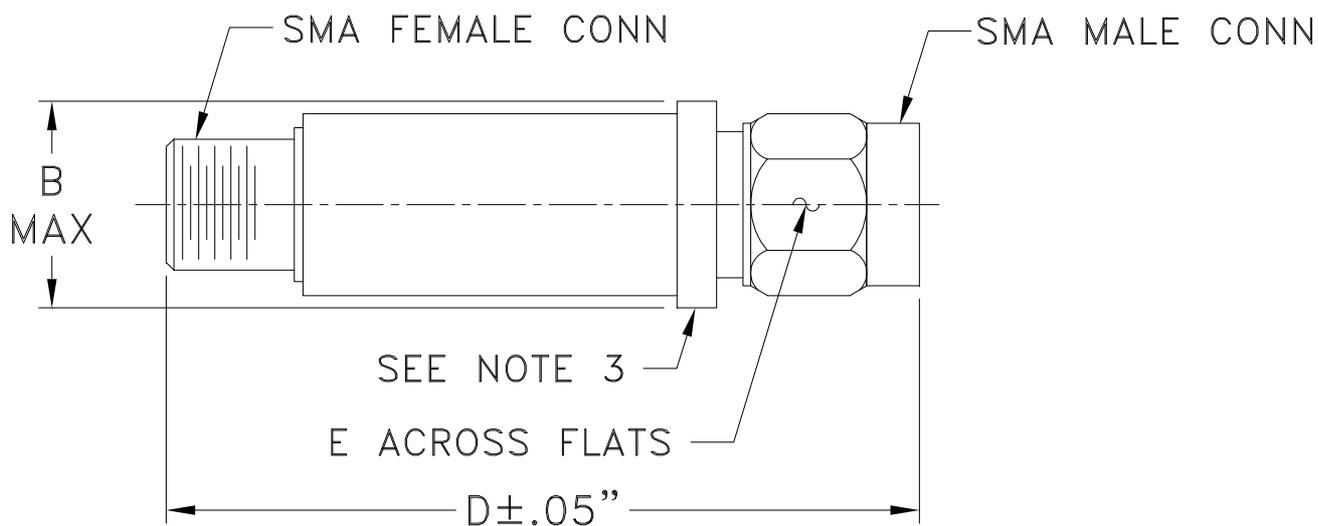
5. RF Power at 25°C. Check individual model data sheet for derated power at 85°C.

Case Style

FF

FF704

Outline Dimensions



CASE #.	A	B	C	D	E	WT GRAMS
FF704	--	.410 (10.41)	--	1.43 (36.32)	.312 (7.92)	10.0

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

Notes:

1. Case material: Stainless steel.
2. Case finish: Gold plated.
3. Round Flange may have .312 Across Flats in some models.

 **Mini-Circuits**[®]
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RF/IF MICROWAVE COMPONENTS