

SMA Fixed Attenuators

50Ω

DC to 6 GHz

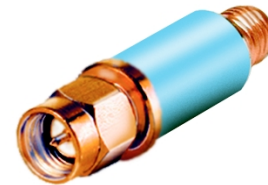
VAT+ SERIES
VAT SERIES

Features

- wideband coverage, DC to 6 GHz
- 1.0 watt rating
- rugged unibody construction
- off-the-shelf availability
- very low cost

Applications

- impedance matching
- signal level adjustment



CASE STYLE: FF704

PRICE: \$11.95 QTY. (1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

MODEL NO.	FREQ. RANGE (GHz)	ATTENUATION [†] (dB)					VSWR (:1)					MAX. INPUT POWER (W)
		Flatness**										
		Nom.	DC-3GHz Typ.	3-5 GHz Typ.	5-6 GHz Typ.	DC-f _U GHz Typ.	DC-3GHz Typ.	Max.	3-5 GHz Typ.	Max.	5-6 GHz Typ.	
f _L -f _U												
VAT-1(+)	DC-6	1±0.3	0.20	0.20	0.20	0.60	1.05	1.20	1.10	1.40	1.40	1.0
VAT-2(+)	DC-6	2±0.3	0.20	0.20	0.25	0.65	1.05	1.20	1.20	1.50	1.50	1.0
VAT-3(+)	DC-6	3±0.3	0.20	0.15	0.15	0.45	1.05	1.20	1.15	1.40	1.40	1.0
VAT-4(+)	DC-6	4±0.3	0.20	0.15	0.20	0.55	1.05	1.20	1.15	1.45	1.45	1.0
VAT-5(+)	DC-6	5±0.3	0.10	0.10	0.10	0.25	1.05	1.20	1.15	1.40	1.40	1.0
VAT-6(+)	DC-6	6±0.3	0.15	0.10	0.20	0.45	1.05	1.20	1.15	1.40	1.50	1.0
VAT-7(+)	DC-6	7±0.3	0.10	0.10	0.10	0.10	1.05	1.20	1.15	1.40	1.40	1.0
VAT-8(+)	DC-6	8±0.3	0.10	0.10	0.15	0.20	1.05	1.25	1.20	1.45	1.60	1.0
VAT-9(+)	DC-6	9±0.3	0.10	0.10	0.10	0.10	1.05	1.20	1.15	1.40	1.50	1.0
VAT-10(+)	DC-6	10±0.3	0.10	0.20	0.15	0.35	1.05	1.20	1.20	1.60	1.60	1.0
VAT-12(+)	DC-6	12±0.3	0.10	0.10	0.10	0.30	1.05	1.35	1.20	1.60	1.65	1.0
VAT-15(+)	DC-6	15±0.3	0.20	0.30	0.30	0.80	1.05	1.40	1.40	1.80	1.75	1.0
VAT-20(+)	DC-5	20±0.3	0.45	0.75	—	1.00	1.05	1.20	1.20	1.50	—	0.5
VAT-30(+)	DC-6	30±0.3	0.70	0.30	0.20	1.30	1.05	1.20	1.15	1.30	1.25	0.5

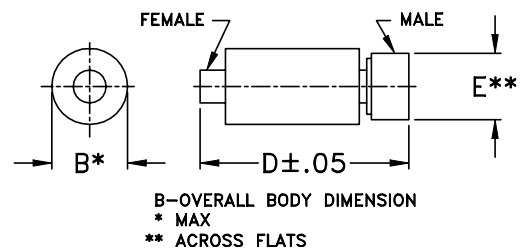
* Attenuation varies by 0.3 dB max. over temperature.

** Flatness=variation overband divided by 2

Maximum Ratings

Operating Temperature	-45°C to 100°C
Storage Temperature	-55°C to 100°C

Outline Drawing



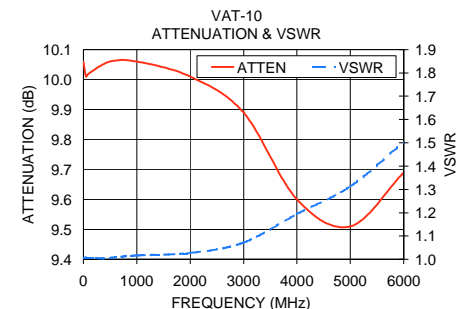
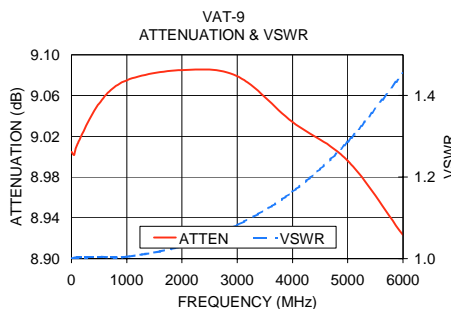
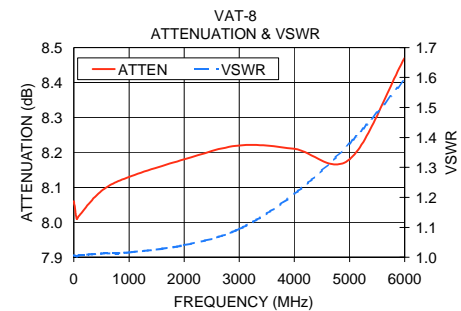
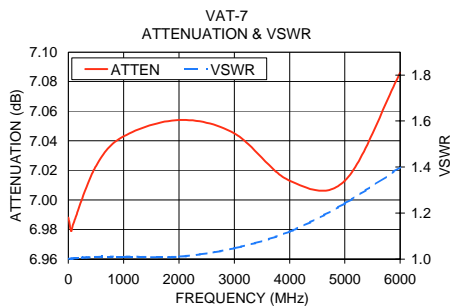
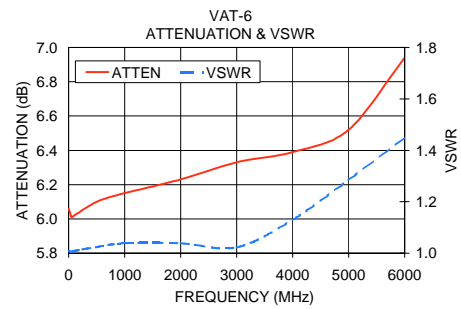
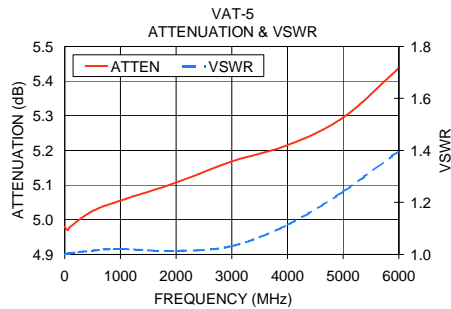
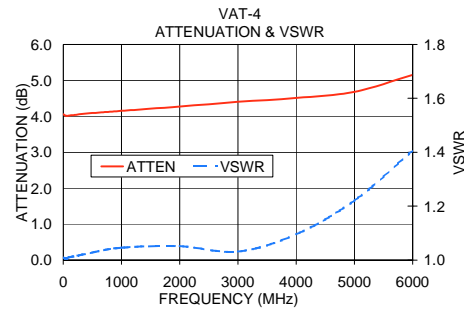
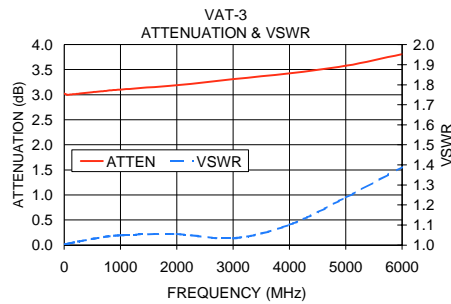
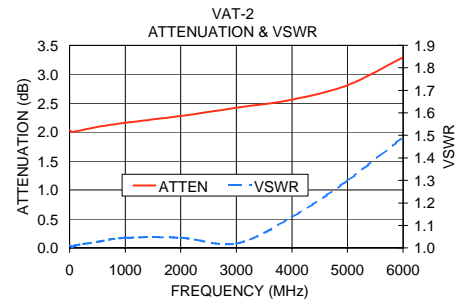
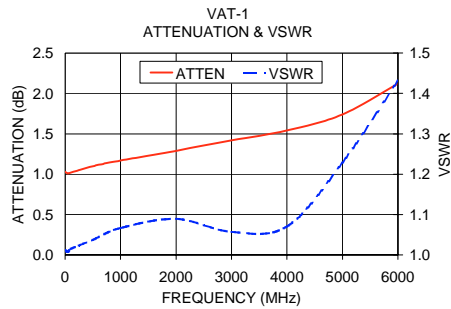
Outline Dimensions (inch mm)

B	D	E	wt.
.410	1.43	.312	grams
10.41	36.32	7.92	10.0

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Kit No.	No. of Units in Kit	Description	Price \$ per Kit
K1-VAT	5	1 of each: VAT-3(+), 6(+), 10(+), 20(+), 30(+)	49.95
K2-VAT	10	1 of each: VAT-1(+), 2(+), 3(+), 4(+), 5(+), 6(+), 7(+), 8(+), 9(+), 10(+)	99.95
K3-VAT	6	2 of each: VAT-3(+), 6(+), 10(+)	59.95

Typical Performance Curves



Typical Performance Curves

VAT+ SERIES VAT SERIES

