

SMA Fixed Attenuators

DC to 6000 MHz

NEW!

VAT-SERIES



CASE STYLE: FF704

Features

- wideband coverage, DC to 6000 MHz
- rugged unibody construction
- 0.5 watt rating
- off-the-shelf availability
- very low-cost
- in stock

Applications

- impedance matching
- signal level adjustment

Electrical Specifications

MODEL NO.	FREQUENCY (MHz)	ATTENUATION** (dB)					VSWR (:1)				POWER* (W)	PRICE \$
		Nom.	Flatness***				L ₁ Typ.	M ₁ Typ.	U ₁ Typ.	Qty. (1-9)		
			L ₁ Typ.	M ₁ Typ.	U ₁ Typ.							
	f _L -f _U					R Typ.	L ₁ Typ. Max.	M ₁ Typ. Max.	U ₁ Typ.			
VAT-1	DC-6000	1±0.3	0.20	0.20	0.20	0.60	1.05 1.20	1.10 1.40	1.40	0.5	11.95	
VAT-2	DC-6000	2±0.3	0.20	0.20	0.25	0.65	1.05 1.20	1.20 1.50	1.50	0.5	11.95	
VAT-3	DC-6000	3±0.3	0.20	0.15	0.15	0.45	1.05 1.20	1.15 1.40	1.40	0.5	11.95	
VAT-4	DC-6000	4±0.3	0.20	0.15	0.20	0.55	1.05 1.20	1.15 1.45	1.45	0.5	11.95	
VAT-5	DC-6000	5±0.3	0.10	0.10	0.10	0.25	1.05 1.20	1.15 1.40	1.40	0.5	11.95	
VAT-6	DC-6000	6±0.3	0.15	0.10	0.20	0.45	1.05 1.20	1.15 1.40	1.50	0.5	11.95	
VAT-7	DC-6000	7±0.3	0.10	0.10	0.10	0.10	1.05 1.20	1.15 1.40	1.40	0.5	11.95	
VAT-8	DC-6000	8±0.3	0.10	0.10	0.15	0.20	1.05 1.25	1.20 1.45	1.60	0.5	11.95	
VAT-9	DC-6000	9±0.3	0.10	0.10	0.10	0.10	1.05 1.20	1.15 1.40	1.50	0.5	11.95	
VAT-10	DC-6000	10±0.3	0.10	0.20	0.15	0.35	1.05 1.20	1.20 1.60	1.60	0.5	11.95	
VAT-12	DC-6000	12±0.3	0.10	0.10	0.10	0.30	1.05 1.35	1.20 1.60	1.65	0.5	11.95	
VAT-15	DC-6000	15±0.3	0.20	0.30	0.30	0.80	1.05 1.40	1.40 1.80	1.75	0.5	11.95	
VAT-20	DC-5000	20±0.3	0.20	0.75	—	1.00	1.05 1.20	1.20 1.50	1.35	0.5	11.95	
VAT-30	DC-6000	30±0.3	0.70	0.30	0.20	1.30	1.05 1.20	1.15 1.30	1.25	0.5	11.95	

L_1 = DC - 3 GHz

M_1 = 3 to 5 GHz

U_1 = 5-6 GHz

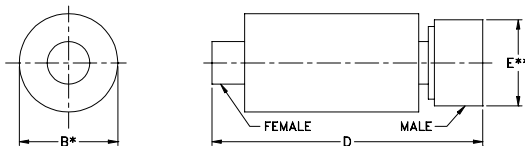
R = DC - f_U GHz

* 0.5 watt at 70°C ambient derate linearly 0.015W/°C above 70°C.

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

*** Flatness = variation overband divided by 2

Outline Drawing



B—OVERALL BODY DIMENSION
* MAX FOR FF65B, 659, 704, 747
** ACROSS FLATS

Maximum Ratings

Operating Temperature -40°C to 100°C

Storage Temperature -40°C to 100°C

designers kits available

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

Outline Dimensions (inch mm)

B	D	E	wt.
.370	1.42	.312	grams
9.40	36.07	7.92	10

Mini-Circuits®
Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

ISO 9001 CERTIFIED

REV. OR
M77344
ED-8042A/1
VAT-SERIES
LC/TD/CP
010621