

FIXED ATTENUATORS

50Ω

SMA

Coaxial

1/2W UNIBODY 1 to 30 dB, DC to 6000 MHz

NEW!



VAT

MODEL NO.	FREQ. RANGE (MHz) f _L -f _U	ATTENUATION** (dB) FLATNESS [†]					VSWR (:1)				POWER* (W)	CASE STYLE Note B	PRICE \$ Qty. (1-9)	
		Nom.	L ₁	M ₁	U ₁	R	L ₁	M ₁	U ₁					
			Typ.	Typ.	Typ.	Typ.		Typ. Max.	Typ. Max.	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	FF704	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	FF704	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	FF704	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	FF704	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	FF704	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	FF704	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	FF704	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	FF704	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	FF704	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	FF704	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	FF704	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	FF704	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	FF704	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	FF704	11.95

L_1 = DC-3000 MHz

M_1 = 3000 - 5000 MHz

U_1 = 5000 - 6000 MHz

features

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

applications

- impedance matching
- signal level adjustment

NOTES:

- Denotes 75 Ohm model, for coax connector models
75 ohm BNC connectors are standard.
- * 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
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in General Information (Section 0).
- B. Connector types and case mounted options, case finishes are given in section 0, see "Case styles & outline drawings".
- C. Prices and specifications subject to change without notice.

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
K1-HAT	5	1 of each: HAT-3,6,10,20,30	48.95
K2-HAT	10	1 of each: HAT-1,2,3,4,5,6,7,8,9,10	97.95
K3-HAT	6	2 of each: HAT-3,6,10	58.95

50&75Ω BNC

DC to 2000 MHz

NEW!



HAT

MODEL NO.	FREQ. RANGE (MHz) f_L - f_U	ATTENUATION (dB) FLATNESS, Max.				VSWR (:1) Max.			POWER* (W)	CASE STYLE Note B	PRICE \$ Qty. (1-9)
		Nom.	L	M	U	L	M	U			
HAT-1	DC-2000	1±0.2	0.3	0.5	0.7	1.2	1.3	1.4	0.5	FF747	9.95
HAT-2	DC-2000	2±0.2	0.3	0.5	0.7	1.2	1.3	1.4	0.5	FF747	9.95
HAT-3	DC-2000	3±0.2	0.3	0.5	0.8	1.2	1.2	1.3	0.5	FF747	9.95
HAT-4	DC-2000	4±0.2	0.3	0.5	0.7	1.2	1.2	1.3	0.5	FF747	9.95
HAT-5	DC-2000	5±0.2	0.3	0.5	0.7	1.2	1.2	1.3	0.5	FF747	9.95
HAT-6	DC-2000	6±0.2	0.3	0.4	0.4	1.2	1.2	1.3	0.5	FF747	9.95
HAT-7	DC-2000	7±0.2	0.3	0.4	0.6	1.2	1.2	1.2	0.5	FF747	9.95
HAT-8	DC-2000	8±0.2	0.3	0.5	0.6	1.2	1.2	1.2	0.5	FF747	9.95
HAT-9	DC-2000	9±0.2	0.3	0.3	0.5	1.2	1.2	1.3	0.5	FF747	9.95
HAT-10	DC-2000	10±0.2	0.4	0.4	0.6	1.2	1.3	1.4	0.5	FF747	9.95
HAT-12	DC-2000	12±0.2	0.3	0.4	0.4	1.2	1.2	1.3	0.5	FF747	9.95
HAT-15	DC-2000	15±0.2	0.3	0.3	0.5	1.2	1.2	1.3	0.5	FF747	9.95
HAT-20	DC-2000	20±0.2	0.3	0.5	1.0	1.2	1.2	1.3	0.5	FF747	9.95
HAT-30†	DC-2000	30±0.2	0.7	1.1	1.3	1.2	1.2	1.3	0.5	FF747	9.95

PRECISION 75Ω

MODEL NO.	FREQ. RANGE (MHz) f _L -f _U	ATTENUATION (dB) FLATNESS [†]						VSWR (:1)						POWER* (W)	CASE STYLE Note B	PRICE \$ Qty. (1-9)	
		Nom.	L		M		U		L		M		U				
			Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.				Max.
■ HAT-3-75	DC-2000	3±0.2	0.05	0.15	0.10	0.20	0.15	0.30	1.05	1.2	1.15	1.25	1.22	1.35	0.5	FF747	11.95
■ HAT-6-75	DC-2000	6±0.2	0.05	0.15	0.10	0.20	0.15	0.25	1.03	1.2	1.05	1.2	1.15	1.3	0.5	FF747	11.95
■ HAT-10-75	DC-2000	10±0.2	0.05	0.15	0.05	0.20	0.05	0.20	1.03	1.2	1.04	1.2	1.1	1.3	0.5	FF747	11.95
■ HAT-15-75	DC-2000	15±0.2	0.05	0.15	0.05	0.15	0.05	0.15	1.03	1.2	1.04	1.2	1.1	1.3	0.5	FF747	11.95
■ HAT-20-75	DC-2000	20±0.2	0.05	0.15	0.05	0.15	0.05	0.20	1.03	1.2	1.04	1.2	1.1	1.3	0.5	FF747	11.95

L = DC-500 MHz

M = DC-1000 MHz

U = DC- f_U

features

- excellent VSWR, 1.05:1 typ.
- excellent flatness, 0.1 dB typ. to 2000 MHz
- useable to 4000 MHz
- rugged unibody construction

applications

- cable tv
- instrumentation
- DS3 signal



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