

Coaxial

SMA Fixed Attenuator

50Ω 0.5W 30dB DC to 6000 MHz

VAT-30+



CASE STYLE: FF704

Maximum Ratings

Operating Temperature -45°C to 100°C

Storage Temperature -55°C to 100°C

Permanent damage may occur if any of these limits are exceeded.

Features

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

Applications

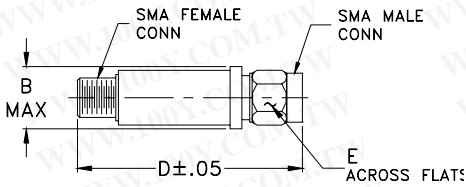
- impedance matching
- signal level adjustment

Connectors	Model
SMA	VAT-30+

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

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Outline Drawing



Electrical Specifications

FREQ. RANGE (MHz)	ATTENUATION * (dB)					VSWR (:1)				MAX. INPUT POWER (W)	
	Flatness **					DC-3 GHz		3-5 GHz			5-6 GHz
	DC-3 GHz	3-5 GHz	5-6 GHz	DC-6 GHz		Typ.	Max.	Typ.	Max.		Typ.
f_L-f_U	Nom.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Max.	Typ.	
DC-6000	30±0.3	1.10	0.70	0.35	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 over band divided by 2.

Outline Dimensions (inch/mm)

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

Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
0.03	30.05	1.00
50.00	29.99	1.00
100.00	29.96	1.01
500.00	29.33	1.02
1000.00	28.79	1.04
2000.00	28.77	1.06
3000.00	29.08	1.08
4000.00	29.22	1.03
5000.00	28.72	1.03
6000.00	29.36	1.07

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Electrical Schematic

