

Precision Fixed Attenuator

50Ω 1W 12dB DC to 2000 MHz

HAT-12+
HAT-12



Maximum Ratings

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

Features

- excellent VSWR, 1.05:1 typ.
- excellent flatness, 0.10 dB typ. to 2000 MHz
- usable to 4000 MHz

CASE STYLE: FF747

Connectors	Model	Price	Qty.
BNC Male-BNC Female	HAT-12(+)	9.95 ea.	(1-9)

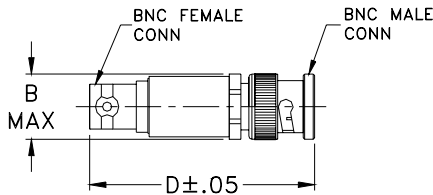
Applications

- PCS
- instrumentation
- cellular

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

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Outline Drawing



Outline Dimensions (inch/mm)

B	D	wt
.62	1.94	grams
15.75	49.28	30.0

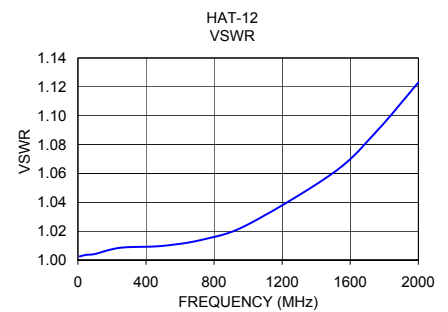
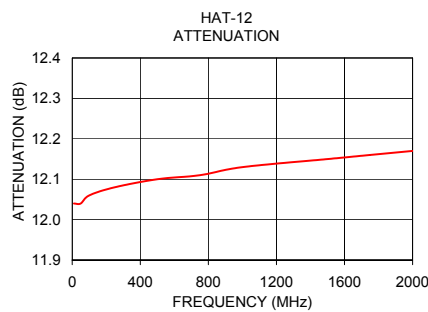
Electrical Specifications

FREQ. RANGE (MHz)	ATTENUATION (dB) Flatness*					VSWR (:1)			MAX. INPUT POWER (W)
	DC-0.5 GHz	DC-1 GHz	DC-2 GHz	Total Band Max.		DC-0.5 GHz	DC-1 GHz	DC-2 GHz	
f_L - f_U	Nom.	Typ.	Typ.	Typ.		Typ.	Typ.	Typ.	
DC-2000	12±0.2	0.05	0.10	0.10	0.25	1.05	1.10	1.15	1.0

* Flatness = variation over band divided by 2.

Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
10.00	12.04	1.00
50.00	12.04	1.00
100.00	12.06	1.00
250.00	12.08	1.01
500.00	12.10	1.01
750.00	12.11	1.01
1000.00	12.13	1.02
1500.00	12.15	1.06
1750.00	12.16	1.09
2000.00	12.17	1.12



designers kit available

Kit No.	No. of Units in Kit	Description	Price \$ per Kit
K1-HAT	5	1 of ea. HAT-3(+), 6(+), 10(+), 20(+), 30(+)	48.95
K2-HAT	10	1 of ea. HAT-1(+), 2(+), 3(+), 4(+), 5(+), 6(+), 7(+), 8(+), 9(+), 10(+)	98.95