Coaxial

Precision Fixed Attenuator

HAT-3+
HAT-3

50Ω 1W 3dB DC to 2000 MHz



CASE STYLE: FF747

Connectors	Model	Price	Qty.
BNC Male-BNC Female	HAT-3(+)	9.95 ea.	(1-9)

+ 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.

Maximum Ratings

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

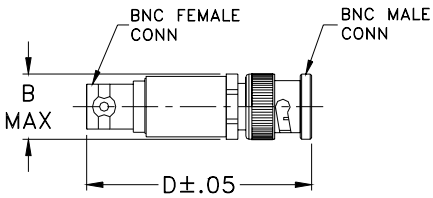
Features

- excellent VSWR, 1.05:1 typ.
- excellent flatness, 0.15 dB typ. to 2000 MHz
- usable to 4000 MHz

Applications

- PCS
- instrumentation
- cellular

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	3±0.2	0.05	0.10	0.15	0.25	1.05	1.10	1.10	1.0

* Flatness = variation over band divided by 2.

Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
10.00	3.00	1.00
50.00	3.01	1.01
100.00	3.02	1.01
250.00	3.05	1.03
500.00	3.08	1.05
750.00	3.12	1.07
1000.00	3.17	1.08
1500.00	3.21	1.08
1750.00	3.23	1.06
2000.00	3.27	1.02

Electrical Schematic

