Coaxial

Precision Fixed Attenuator

BW-S7W5+

50Ω 5W 7dB DC to 18000 MHz

CASE STYLE: DC737

Connectors	Model	Price	Qty.
SMA Female-SMA Male	BW-S7W5+	44.95 ea.	(1-49)

Maximum Ratings

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

**With mated connectors. Unmated, 85°C max.

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

Features

- DC to 18000 MHz
- precise attenuation
- excellent VSWR, 1.20 typ.
- stainless steel SMA male and female connectors

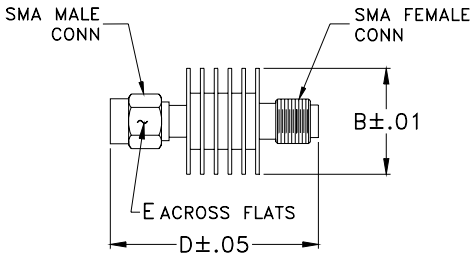
Applications

- matching
- instrumentation
- test set-ups

+ 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



Outline Dimensions (inch / mm)

B	D	E	wt
.61	1.20	.312	grams
15.49	30.48	7.92	9.1

Electrical Specifications

FREQ. RANGE (MHz)	ATTENUATION[1] (dB)		VSWR[2] (:1)			MAX. INPUT POWER[3] (W)
			DC-4 GHz	4-8 GHz	8-12.4 GHz	
f_L-f_U	Nom.	ACCURACY	Max.	Max.	Max.	
DC-18000	7	-0.4,+0.9	1.20	1.25	1.30	5

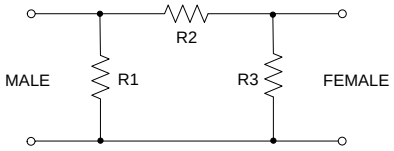
1. At 25°C, accuracy includes frequency and power variations. Temperature coefficient for attenuation: .0004dB/dB/°C typ.
2. VSWR from 12.4 to 18 GHz, 1.6:1 typ.
3. Average power at 25°C ambient, derate linearly to 2W at 100°C. Peak Power 125W max. 5µsec pulse width, 100 Hz PRF.

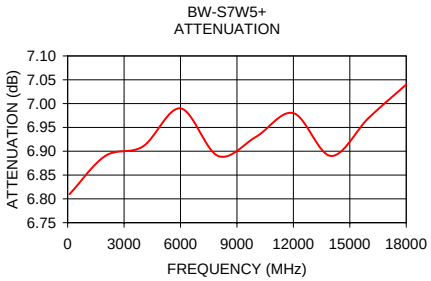
Typical Performance Data

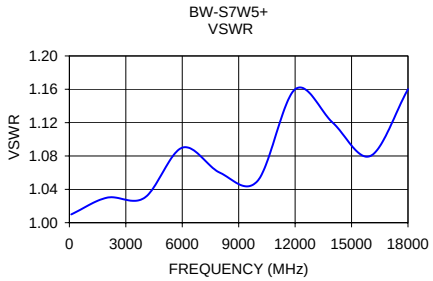
**With mated connectors. Unmated, 85°C max.
Permanent damage may occur if any of these limits are exceeded.

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
100	6.81	1.01
2000	6.89	1.03
4000	6.91	1.03
6000	6.99	1.09
8000	6.89	1.06
10000	6.93	1.05
12000	6.98	1.16
14000	6.89	1.12
16000	6.97	1.08
18000	7.04	1.16

Electrical Schematic







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