# **Precision Fixed Attenuator**

## BW-S3-2W263+

DC to 26 GHz  $50\Omega$ **2W** 3dB

#### **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 26 GHz

**Applications** 

instrumentation

matching

· test set-ups

- precise attenuation
- excellent VSWR, 1.08 typ
- stainless steel SMA male and female connectors

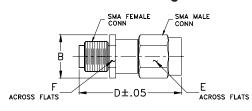
#### CASE STYLE: FE658

Connectors	Model	Price	Qty.
SMA-Fem SMA-Male	BW-S3-2W263+	\$34.95 ea.	(1-49)

+RoHS Compliant

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

#### Outline Drawing



#### Outline Dimensions (inch)

<b>(</b> IIIIII )				
w	F	E	D	В
grams	.312	.312	.85	.36
43	7 92	7 92	21 50	9 14

### Electrical Specifications at 25°C

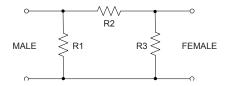
Parameter	Condition (GHz)	Min.	Тур.	Max.	Unit
Frequency Range		DC	_	26	GHz
Attenuation <sup>1</sup>	DC - 26	_	3	_	
	DC - 12	2.7	_	3.3	dB
	12 - 18	2.7	_	3.3	
	18 - 26	2.7	_	3.7	
	DC - 12	_	1.07	1.20	
VSWR	12 - 18	_	1.08	1.25	:1
	18 - 26	_	1.17	1.40	
Input Power <sup>2</sup>	DC - 26	_	_	2	W

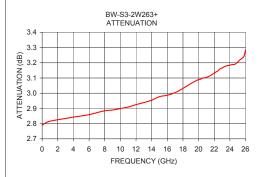
- 1. At 25°C, accuracy includes frequency and power variations. Temperature coefficient for attenuation: .0004 dB/dB/°C typ.
- 2. Max. power at 25°C ambient, derate linearly to 0.5W at 100°. Peak power 125W max. 5µsec. pulse width, 100Hz PRI

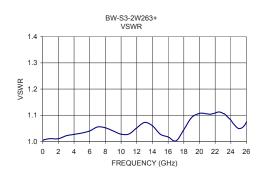
## **Typical Performance Data**

Frequency (GHz)	Attenuation (dB)	VSWR (:1)
0.01	2.79	1.00
1.0	2.82	1.01
4.0	2.84	1.03
8.0	2.88	1.05
10.0	2.90	1.03
12.0	2.92	1.05
14.0	2.95	1.06
16.0	2.99	1.02
18.0	3.03	1.05
20.0	3.09	1.11
26.0	3.28	1.07

#### **Electrical Schematic**







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