

PRECISION FIXED ATTENUATORS 50Ω SMA

2W 1 to 40 dB, DC to 18 GHz



BW

MODEL NO.	FREQ. RANGE GHz f_L - f_U	ATTENUATION dB		VSWR (:1) Max.			POWER W**	CASE STYLE Note B	CONNECTION	PRICE \$ Qty. (1-49)
		Nom.	ACCURACY*	L	M	U				
BW-S1W2	DC-18	1	±0.40	1.20	1.25	1.30	2	FF658	—	29.95
BW-S2W2	DC-18	2	±0.40	1.20	1.25	1.30	2	FF658	—	29.95
BW-S3W2	DC-18	3	±0.40	1.20	1.25	1.30	2	FF658	—	29.95
BW-S4W2	DC-18	4	±0.40	1.20	1.25	1.30	2	FF658	—	29.95
BW-S5W2	DC-18	5	±0.40	1.20	1.25	1.30	2	FF658	—	29.95
BW-S6W2	DC-18	6	±0.40	1.20	1.25	1.30	2	FF658	—	29.95
BW-S7W2	DC-18	7	±0.60	1.20	1.25	1.30	2	FF658	—	29.95
BW-S8W2	DC-18	8	±0.60	1.20	1.25	1.30	2	FF658	—	29.95
BW-S9W2	DC-18	9	±0.60	1.20	1.25	1.30	2	FF658	—	29.95
BW-S10W2	DC-18	10	±0.60	1.20	1.25	1.30	2	FF658	—	29.95
BW-S12W2	DC-18	12	±0.60	1.20	1.25	1.30	2	FF658	—	29.95
BW-S15W2	DC-18	15	±0.60	1.20	1.25	1.30	2	FF659	—	29.95
BW-S20W2	DC-18	20	±0.60	1.20	1.25	1.30	2	FF659	—	29.95
BW-S30W2	DC-18	30	±0.85	1.20	1.25	1.30	2	FF659	—	29.95
BW-S40W2	DC-18	40	±0.85	1.20	1.25	1.30	2	FF659	—	29.95

L = DC-4 GHz

M = 4-8 GHz

U = 8-12.4 GHz

features

- precision attenuation
- excellent VSWR, 1.2:1 typ.
- high temperature stability
- SMA male and female connectors

applications

- matching
- instrumentation
- test set-ups

designers kits available

KIT No.	No. of Units in KIT	Description	Price \$ per KIT
K2-BW1	6	2 of each: 3,6,10	150.00
K2-BW2	6	1 of each: 3,6,10,20,30,40	150.00
K2-BW3	10	1 of each: 1,2,3,4,5,6,7,8,9,10	200.00

NOTES:

- * At 25°C includes power & frequency variations up to 12.4 GHz. Above 12.4 GHz add 0.5 dB typ. to accuracy and 0.3 typ. to VSWR in the U range. Temperature coefficient for attenuation .0004 dB/°C typ.
- ** Average power at 25°C ambient, derate linearly to 0.5 W at 100°C. Peak Power 125W max., 5μsec pulse width, 100 Hz PRF.
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in General Information (Section 0).
- B. Connector types and case mounted options, case finishes are given in section 0, see "Case styles & outline drawings".
- C. Prices and specifications subject to change without notice.



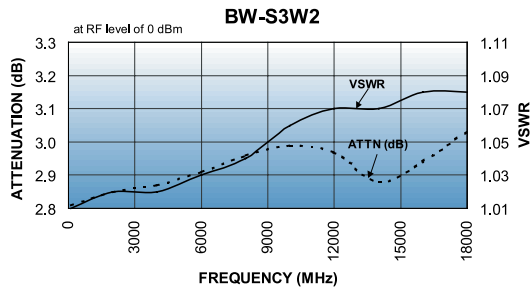
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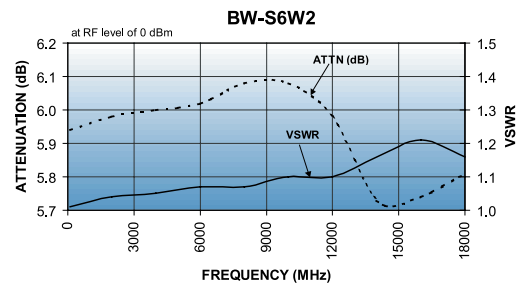
ISO 9001 CERTIFIED



FREQUENCY (MHz)
100.00
2000.00
4000.00
6000.00
8000.00
10000.00
12000.00
14000.00
16000.00
18000.00

ATTENUATION
$\bar{X}$ (dB)
2.81
2.85
2.87
2.91
2.96
2.99
2.97
2.88
2.94
3.03
σ (dB)
0.02
0.02
0.03
0.04
0.05
0.05
0.04
0.17
0.17
0.13

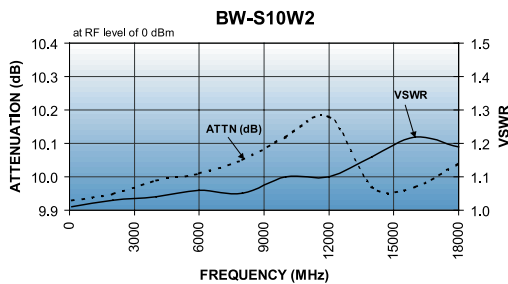
DC to 18000 MHz
VSWR
$\bar{X}$
1.01
1.02
1.02
1.03
1.04
1.06
1.07
1.07
1.08
1.08
σ
0.01
0.01
0.01
0.00
0.01
0.01
0.02
0.02
0.03
0.02



FREQUENCY (MHz)
100.00
2000.00
4000.00
6000.00
8000.00
10000.00
12000.00
14000.00
16000.00
18000.00

ATTENUATION
$\bar{X}$ (dB)
5.94
5.98
6.00
6.02
6.08
6.08
5.98
5.73
5.74
5.81
σ (dB)
0.03
0.02
0.02
0.04
0.10
0.12
0.11
0.07
0.08
0.10

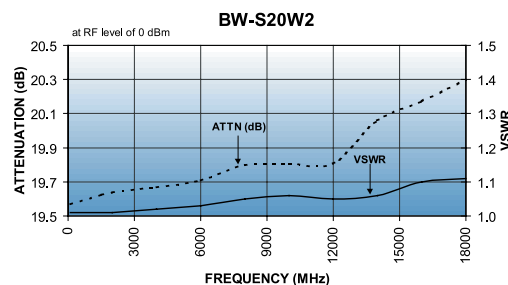
DC to 18000 MHz
VSWR
$\bar{X}$
1.01
1.04
1.05
1.07
1.07
1.10
1.10
1.16
1.21
1.16
σ
0.00
0.00
0.01
0.01
0.01
0.03
0.03
0.02
0.03
0.02



FREQUENCY (MHz)
100.00
2000.00
4000.00
6000.00
8000.00
10000.00
12000.00
14000.00
16000.00
18000.00

ATTENUATION
$\bar{X}$ (dB)
9.93
9.95
9.99
10.01
10.05
10.12
10.18
9.97
9.97
10.04
σ (dB)
0.03
0.02
0.01
0.01
0.01
0.03
0.10
0.15
0.18
0.21

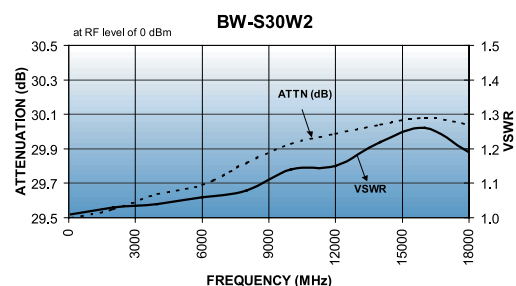
DC to 18000 MHz
VSWR
$\bar{X}$
1.01
1.03
1.04
1.06
1.05
1.10
1.10
1.16
1.22
1.19
σ
0.00
0.00
0.00
0.01
0.01
0.02
0.03
0.04
0.04
0.04



FREQUENCY (MHz)
100.00
2000.00
4000.00
6000.00
8000.00
10000.00
12000.00
14000.00
16000.00
18000.00

ATTENUATION
$\bar{X}$ (dB)
19.57
19.64
19.67
19.71
19.80
19.81
19.81
20.06
20.17
20.30
σ (dB)
0.06
0.07
0.08
0.09
0.13
0.14
0.16
0.26
0.29
0.32

DC to 18000 MHz
VSWR
$\bar{X}$
1.01
1.01
1.02
1.03
1.05
1.06
1.05
1.06
1.10
1.11
σ
0.00
0.00
0.00
0.00
0.01
0.01
0.01
0.00
0.00
0.01



FREQUENCY (MHz)
100.00
2000.00
4000.00
6000.00
8000.00
10000.00
12000.00
14000.00
16000.00
18000.00

ATTENUATION
$\bar{X}$ (dB)
29.50
29.55
29.64
29.69
29.82
29.93
29.99
30.04
30.08
30.04
σ (dB)
0.08
0.02
0.03
0.04
0.11
0.17
0.22
0.33
0.41
0.49

DC to 18000 MHz
VSWR
$\bar{X}$
1.01
1.03
1.04
1.06
1.08
1.14
1.15
1.22
1.26
1.19
σ
0.00
0.00
0.00
0.01
0.02
0.02
0.03
0.03
0.05