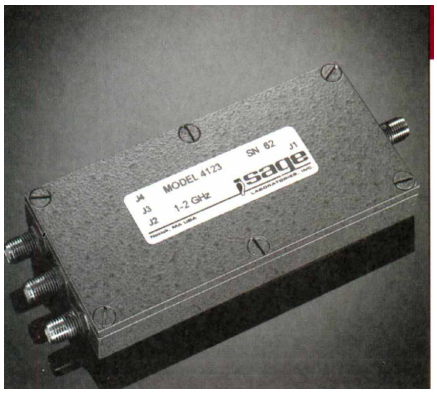


4003 SERIES

FEATURES

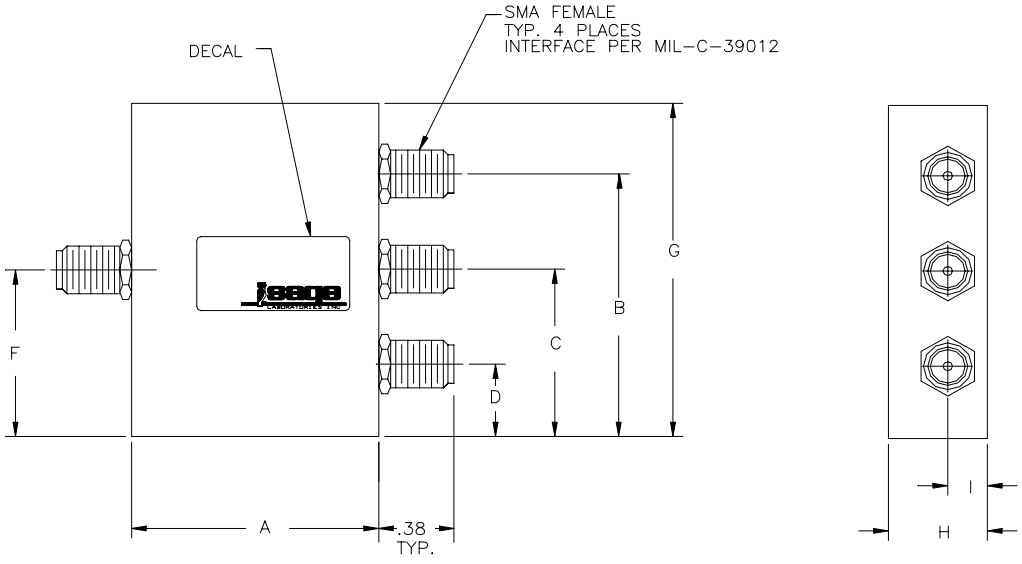
- Designed to Meet MIL-E-5400 Class 3
- SMA Female Connectors per MIL-PRF-39012
- High Isolation Wilkinson Circuit Design

SPECIFICATIONS

Frequency Range GHz	Insertion Loss max (dB) @ f (GHz)	VSWR max Input/Output	Isolation min (dB)	Amplitude Unbalance max (dB)	Phase Unbalance max (Degrees)	Average Power[1] (W) @ 1 GHz	Model
1-2	0.3	1.30/1.50	19	0.5	3[2]	20	4123
1.090	0.5	1.30/1.30	20	0.5	2	5	4123A
2-4	0.5	1.50/1.50	19	0.5	4[2]	20	4133

NOTES:
1. Input power with 1.5 max output system VSWR.
2. To equalize the phase at all three ports, add an additional external line length to J3 equivalent to a 0.9 cm air line.

OUTLINE DRAWING



MODELS 4123, 4123A AND 4133

Filtronic
Sage Laboratories

Model	A”	B”	C”	D”	E”	F”	G”	H”	I”
4123	3.72	1.38	.88	.38	.38	.88	1.75	.50	.20
4123A	2.50	1.99	1.24	.50	.40	1.24	2.50	.50	.20
4133	2.32	1.38	.88	.38	.38	.88	1.75	.50	.20

Model	A (cm)	B (cm)	C (cm)	D (cm)	E (cm)	F (cm)	G (cm)	H (cm)	I (cm)
4123	(9,45)	(3,51)	(2,24)	(0,97)	(0,97)	(2,24)	(4,45)	(1,27)	(0,51)
4123A	(6,35)	(5,05)	(3,15)	(1,27)	(1,02)	(3,15)	(6,35)	(1,27)	(0,51)
4133	(5,89)	(3,51)	(2,24)	(0,97)	(0,97)	(2,24)	(4,45)	(1,27)	(0,51)

MISCELLANEOUS:

1. Sage Laboratories Inc. “Standard Warranty and Order Terms and Conditions” apply to all orders.
2. All specifications subject to change without notice.
3. Check “Ordering and Availability Listing” for delivery and ordering information.
4. Contact our local Manufacturers Representative for pricing.

Specification Revision - 022003

Sage Laboratories, Inc. ● 11 Huron Drive ● Natick, MA 01760-1338 ● Tel: 508-653-0844 ● Fax: 508.653.5671
www.sagelabs.com