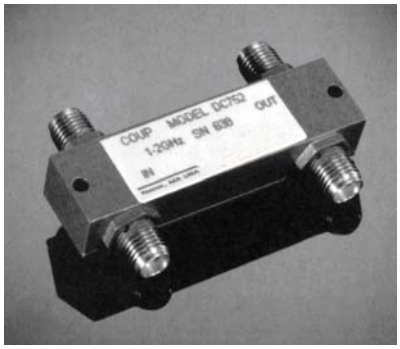
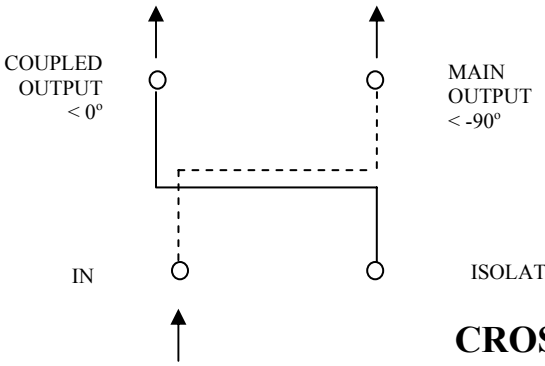


DC750 SERIES

FEATURES

- Models from 0.5 to 18 GHz
- SMA Connectors
- Meet MIL-E-5400 Class 3 or Equivalent
- Screenable to MIL-P-23971



CROSSOVER HYBRID CONFIGURATION

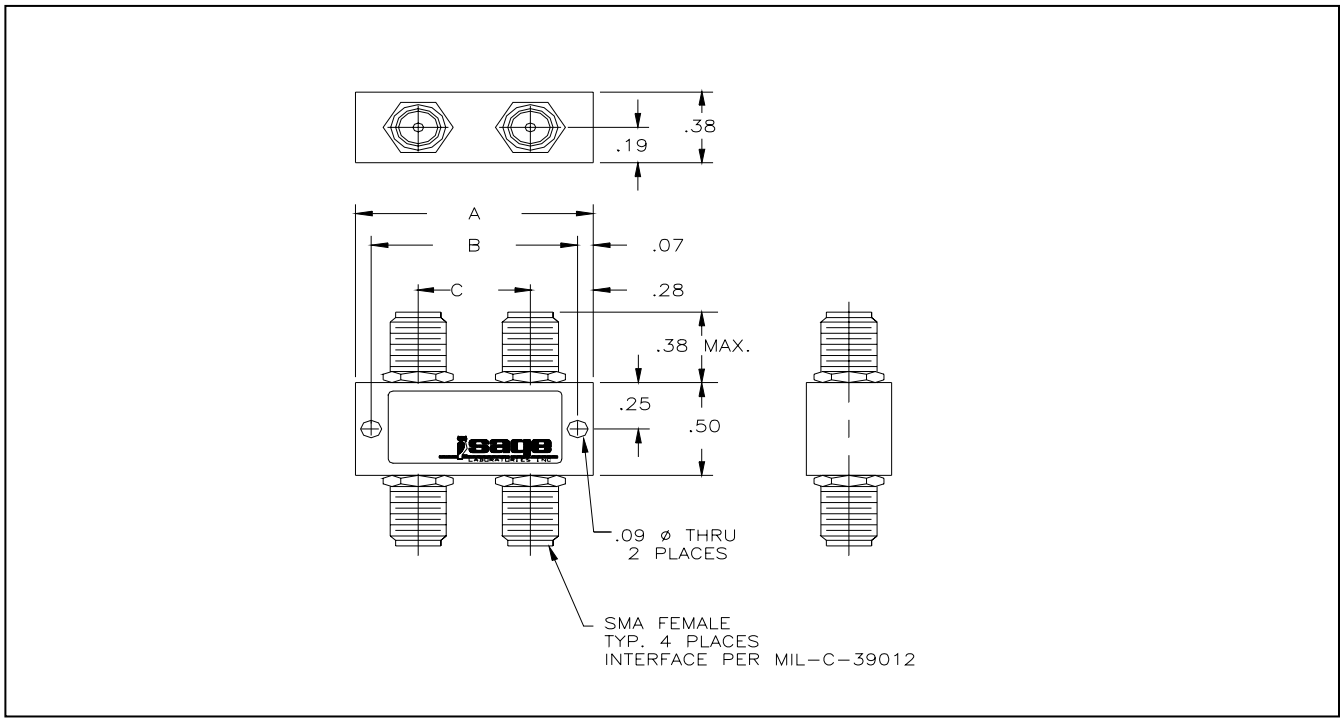
SPECIFICATIONS

Frequency (GHz)	Loss[1] max (dB)	VSWR max	Isolation min (dB)	Deviation from Phase Quadrature typ	Power Handling[2] Average (W@1 GHz)	Power Handling[2] Peak (kW)	Model Number
.5-1	.15	1.1	25	± 1.5°	100	3	DC751
1-2	.2	1.1	25	± 1.5°	100	3	DC752
1.3-2.6	.2	1.15	25	± 2°	100	3	DC752E
2-4	.25	1.15	25	± 2°	100	3	DC753
2.6-5.2	.25	1.25	20	± 2°	100	3	DC753E
4-8	.3	1.25	20	± 2°	100	3	DC754
4.8-9.6	.35	1.25	17	± 2°	100	3	DC754E
7-12.4	.5	1.35	18	± 4°	50	1.5	DC755
12-18	.7	1.35	17	± 4°	50	1.5	DC756

Maximum unbalance is 1 dB and is measured as the difference between the coupled and mainline output ports from the mean coupling at each frequency.

NOTES:
1. Maximum loss is the actual dissipative loss and reflective loss due to VSWR. It does not include coupling loss.

OUTLINE DRAWING



Model Numbers	Dimensions (See Drawing) A"	A (cm)	B"	B (cm)	C"	C (cm)	Weights Ounces	Grams
DC751	3.27	(8,31)	3.13	(7,95)	2.71	(6,88)	1.4	40
DC752	1.84	(4,67)	1.70	(4,32)	1.28	(3,25)	1.0	28
DC752E	1.57	(3,99)	1.43	(3,63)	1.01	(2,57)	1.2	34
DC753	1.19	(3,02)	1.05	(2,67)	.63	(1,60)	.5	14
DC753E	1.06	(2,69)	.92	(2,34)	.50	(1,27)	.5	14
DC754	1.06	(2,69)	.92	(2,34)	.50	(1,27)	.5	14
DC754E	1.06	(2,69)	.92	(2,34)	.50	(1,27)	.5	14
DC755	1.06	(2,69)	.92	(2,34)	.50	(1,27)	.5	14
DC756	1.06	(2,69)	.92	(2,34)	.50	(1.27)	.5	14

MISCELLANEOUS:

1. Spectrum Microwave "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 – 071510