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BROADBAND COAXIAL

Circulators

Frequency Ranges 1–2 GHz

MODEL NO.	ISOLATION (dB min.)	INSERTION LOSS (dB max.)	VSWR (max.)	OPER. TEMP. (°C)	POWER RATING PEAK POWER (KW)	POWER RATING AVG. POWER (Watts)	HEAT SINK Temp. (°C)	OUTLINE
50A1101*	15	0.6	1.40	0 to +50	0.2	100	+35	G
50A3001*	18	0.5	1.30	−10 to +70	0.6	125	+40	H-1
50A3401*	12	1.0	1.65	−10 to +60	0.5	75	+50	H-2
50A3011*	18	0.5	1.30	−25 to +80	1.0	125	+45	H-1
50A6301*	18	0.5	1.40	−45 to +85	1.0	125	+50	I
50A6001*	18	0.5	1.30	−45 to +95	2.0	125	+50	I
50A6071*	18	0.5	1.30	−55 to +95	0.5	125	+50	I
50A9201*	16	0.7	1.35	−55 to +95	0.5	75	+50	I
50A2601*	11	1.0	1.78	−40 to +80	0.5	50	+50	K-1
50A2701	14	1.0	1.50	−54 to +95	0.5	50	+50	K-1
50A2171	12	0.9	1.65	−40 to +65	0.5	65	+50	K-1
50A2301*	13	0.9	1.58	−54 to +95	0.5	65	+50	J
10B9201*	20	0.5	1.30	−55 to +95	0.1	65	+50	J
50A2001*	17	0.5	1.35	−40 to +95	0.5	65	+50	J
50A2501	17	0.5	1.35	−40 to +95	0.5	65	+50	K-1
50A2051*	14	0.6	1.50	−54 to +95	0.5	65	+50	J
50A2401	11	1.0	1.78	−40 to +80	0.5	50	+50	K-1
10B2201*	18	0.5	1.30	−55 to +110	2.0	50	+50	J
10A8021*	18	0.7	1.30	−54 to +95	0.5	65	+50	K-2
50A8101*	13	1.0	1.58	−54 to +95	0.5	50	+50	K-2

Isolators

MODEL NO.	ISOLATION (dB min.)	INSERTION LOSS (dB max.)	VSWR (max.)	OPER. TEMP. (°C)	POWER RATING PEAK POWER (KW)	POWER RATING AVG. POWER (Watts)	HEAT SINK Temp. (°C)	OUTLINE
60A1101*	15	0.6	1.40	0 to +50	0.1	1.0	+50	G
60A3001*	18	0.5	1.30	−10 to +70	0.1	1.0	+70	H-1
60A3401*	12	1.0	1.65	−10 to +60	0.1	1.0	+60	H-1
60A3011*	18	0.5	1.30	−25 to +80	0.1	1.0	+80	H-1
60A6301*	18	0.5	1.40	−45 to +85	0.1	1.0	+85	I
60A6001*	18	0.5	1.30	−45 to +95	0.1	3.0	+95	I
60A6071*	18	0.5	1.30	−55 to +95	0.1	2.0	+95	I
60A9201*	16	0.7	1.35	−55 to +95	0.1	1.0	+95	I
60A2601*	12	1.0	1.67	−40 to +80	0.1	3.0	+80	K-1
60A2701*	14	1.0	1.50	−54 to +95	0.1	3.0	+95	K-1
60A2171	13	0.75	1.58	−40 to +65	0.5	3.0	+65	K-1
60A2301*	14	0.9	1.50	−54 to +95	0.5	3.0	+85	J
20B9201*	20	0.5	1.30	−55 to +95	0.1	3.0	+95	J
60A2001*	17	0.5	1.35	−40 to +95	0.5	3.0	+95	J
60A2501	17	0.5	1.35	−40 to +95	0.1	3.0	+95	K-1
60A2051*	14	0.6	1.50	−54 to +95	0.5	3.0	+95	J
60A2401*	12	1.0	1.67	−40 to +80	0.1	1.0	+80	K-1
20B2201*	18	0.5	1.30	−55 to +110	0.5	3.0	+110	J
20A8021*	18	0.7	1.30	−54 to +95	0.5	1.0	+95	K-2
60A8101*	14	1.0	1.50	−54 to +95	0.1	1.0	+95	K-2

NOTES:

1. *See typical performance curves on Page 125 for selected models.*
2. *For Environmental Specifications, including temperature considerations, see Page 121.*

* *These units are normally available from stock or from TRAK's distributors.*

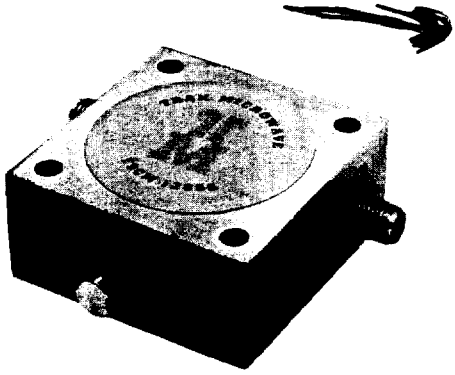
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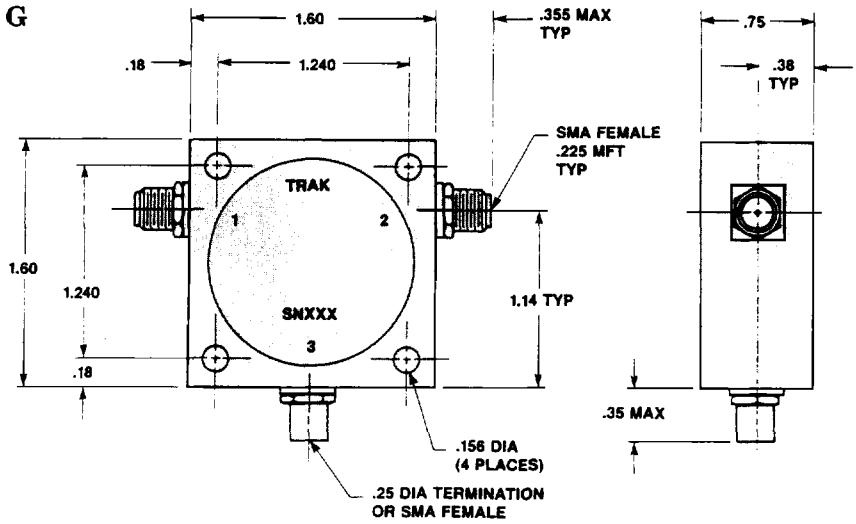
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TRAK



Weight: 6.3 oz., nominal
(180 grams)

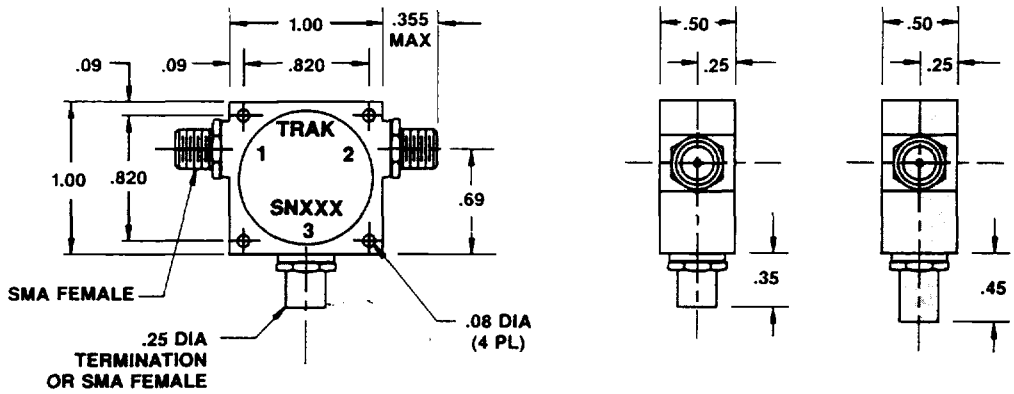
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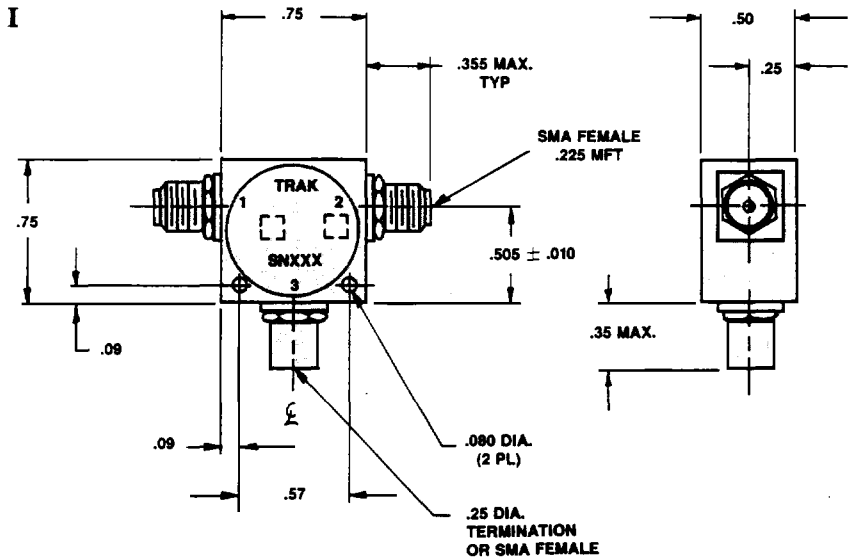
Weight: 1.8 oz., nominal
(51 grams)



I



Weight: 1.1 oz., nominal
(32 grams)



Housings 416 Stainless Steel with appropriate plating

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TRAK.

SELECT-A-FREQUENCY Circulators

MODEL NO.	BAND-WIDTH (%)	ISOLATION (dB min.)	INSERTION LOSS (dB max.)	VSWR (max.)	OPER. TEMP. (°C)	POWER RATING PEAK POWER (KW)	POWER RATING AVG. POWER (Watts)	HEAT SINK Temp. (°C)	OUTLINE
10*0501	3	20	0.6	1.25	−20 to +71	1.0	200	+50	H
10*0601	5	20	0.5	1.25	−54 to +95	1.0	200	+50	H
10*1401	10	20	0.5	1.25	−54 to +95	1.0	200	+50	H
10*1501	10	20	0.5	1.25	−54 to +95	1.0	200	+50	H
10*1551	5	20	0.5	1.25	−54 to +95	1.0	110	+50	I
10*1601	10	20	0.5	1.25	−54 to +95	1.0	110	+50	I
10*3401	10	20	0.5	1.25	−54 to +95	0.1	50	+50	I
10*3501	10	20	0.5	1.25	−54 to +95	0.1	50	+50	I
10*3551	15	20	0.5	1.25	−54 to +95	0.1	50	+50	I
10*3601	5	20	0.5	1.25	−20 to +71	0.1	50	+50	J
10*6401	10	20	0.5	1.25	−54 to +95	0.2	50	+50	J
10*6501	10	20	0.5	1.25	−54 to +95	0.3	50	+50	J
10*6501	15	20	0.5	1.25	−54 to +95	0.4	50	+50	J
50*2001	15	20	0.5	1.25	−54 to +95	0.5	65	+50	J
10*2201	15	20	0.5	1.25	−54 to +95	0.5	65	+50	J

Isolators

20*0501	3	20	0.6	1.25	−20 to +71	0.1	1.0	+71	H
20*0601	5	20	0.5	1.25	−54 to +95	0.1	1.0	+95	H
20*1401	10	20	0.5	1.25	−54 to +95	0.1	1.0	+95	H
20*1501	10	20	0.5	1.25	−54 to +95	0.1	1.0	+95	H
20*1551	5	20	0.5	1.25	−54 to +95	0.1	1.0	+95	I
20*1601	10	20	0.5	1.25	−54 to +95	0.1	1.0	+95	I
20*3401	10	20	0.5	1.25	−54 to +95	0.1	1.0	+95	I
20*3501	10	20	0.5	1.25	−54 to +95	0.1	1.0	+95	I
20*3551	15	20	0.5	1.25	−54 to +95	0.1	1.0	+95	I
20*3601	5	20	0.5	1.25	−20 to +71	0.1	1.0	+71	J
20*6401	10	20	0.5	1.25	−54 to +95	0.1	1.0	+95	J
20*6501	10	20	0.5	1.25	−54 to +95	0.3	1.0	+95	J
20*6501	15	20	0.5	1.25	−54 to +95	0.4	1.0	+95	J
60*2001	15	20	0.5	1.25	−54 to +95	0.5	3.0	+95	J
20*2201	15	20	0.5	1.25	−54 to +95	0.5	3.0	+95	J

NOTES:

1. *If your lower frequency limit is below the lower limit stated for a particular model, select the preceding model. If upper frequency limit will exceed 12 GHz, select the next higher frequency model.*
2. *For Environmental Specifications, including temperature considerations, see Page 121.*
3. *See Pages 136 and 138 for units normally available from stock.*

* **How to order Select-a-Frequency models:** *Specify model number and frequency range or center frequency. If your bandwidth is less than stated above you may obtain somewhat better performance and/or delivery by specifying your actual frequency range.*

*For models 10*6501 and 20*6501 also specify 10% or 15% bandwidth.*

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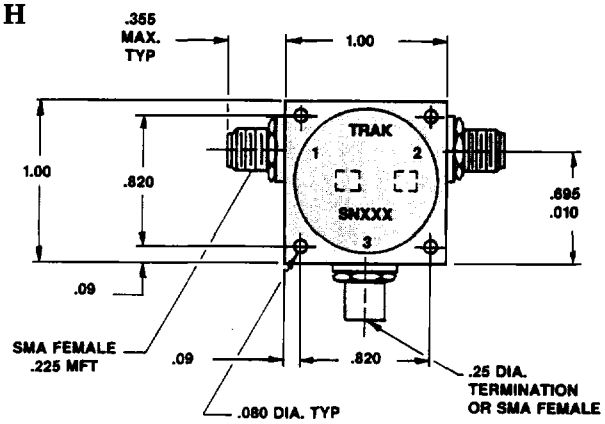
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TRAK.



Weight: 1.8 oz., nominal
(51 grams)

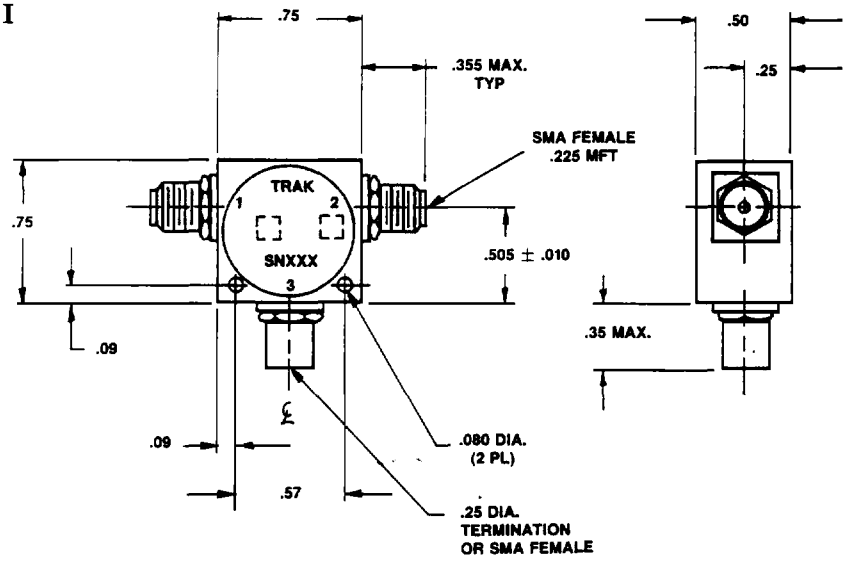
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Weight: 1.1 oz., nominal
(32 grams)

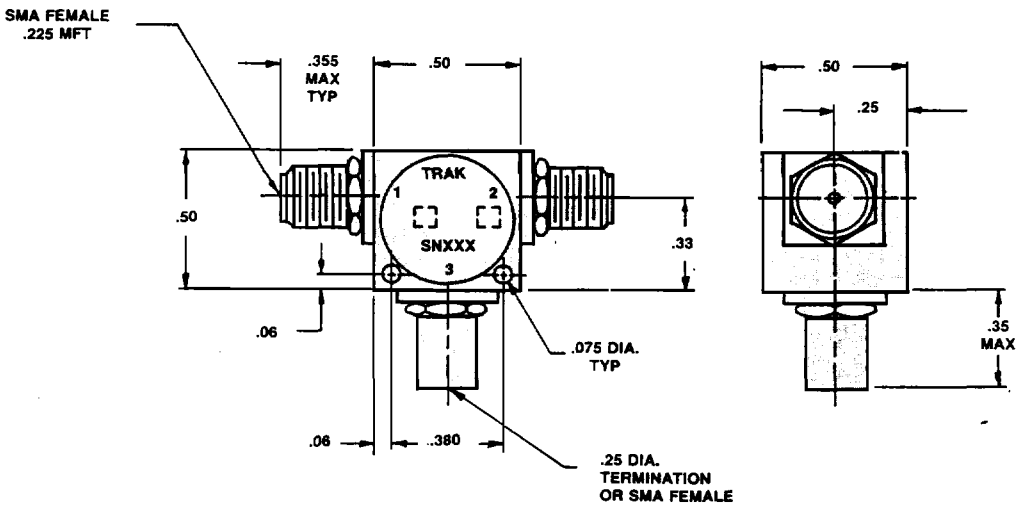
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Weight: 0.7 oz., nominal
(20 grams)

J



Housings 416 Stainless Steel with appropriate plating

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