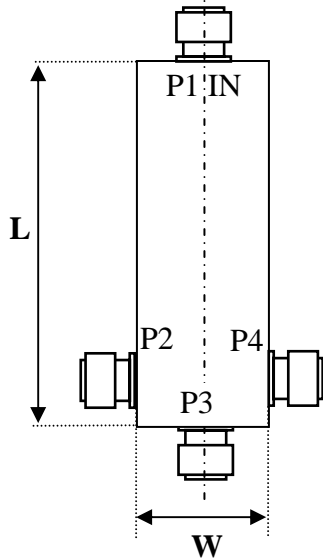


# RADITEK INC.

## 3-Way Power Divider / Splitter Combiner 2.0-18.0 GHz, Part Bandwidth, SMA Connectors

code -L



Freq (GHz)	Bandwidth	Length	Width	Thickness
470-860		1.75	0.6	0.5
1-4	25%	1.50	0.5	0.57
2-6 / 18	Full	1.50	0.75	0.48
4-8	25%	1.00	0.5	0.57
8-18	25%	0.75	0.5	0.57
6-18	full	1.50	0.5	0.57
9-13	full	0.75	0.5	0.57
10.7-12.8	full	1.50	0.7	0.57
13-15	full	0.75	0.6	0.46

Units: Inches  
Not to scale

Connector Options			
Port 1	Ports 2-4		Delivery
female	male	1	special
male	female	2	special
female	female	3	standard
male	male	4	special

Dual Directional

**SX (SMA connectors, see table)**

**NX (N-type connectors to 6 GHz Available with Larger housing.)**

**Order Examples: R3SC-2.8-3.6-S3-1W**

**Description: (3-Way Splitter Combiner, 2.8-3.6 GHz, SMA Female Connectors, 1 Watt)**

**\*25% Bandwidth Models Please Specify Exact Frequency at time of request.**

Specifications	Bandwidth *25%						Units
Frequency	*2-18			6-10	6-18	9-13	GHz
*Specify Frequency between:	2.0 to 8.0	8.0 to 11.9	12.0 to 18.0				GHz
Insertion Loss	0.3	0.5	1.2	0.9	1.2	1.0	dB max (4.77dB Theoretical) + device
Isolation	>18	>17	>15	>15	>15	>15	dB P2-3 / P3-4 dB P2-4
VSWR in	1.3	1.4	1.55	1.4	1.4	1.4	:1
VSWR out	1.35	1.35	1.35	1.35	1.4	1.4	:1
Amplitude balance	<± 0.3			<± 0.3	<± 0.3	<± 0.3	dB max
Phase balance	<±3°			<±3°	<±3°	<±3°	Degree max
Power	1, 10			5	1	1	Watt
Connectors	SMA			SMA	SMA	SMA	
Operating Temperature	-45 to 85			-45 to 85	-45 to 85	-45 to 85	°C
Storage Temperature	-50 to 125			-50 to 125	-50 to 125	-50 to 125	°C

R3SC-2.0-18.0-Sx-1W Part Bw-L

Specifications may be subject to change

01/15/07

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BOK 09/26/06

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# RADITEK INC.

## 3-Way Power Divider / Splitter Combiner 2.0-18.0 GHz, Part Bandwidth, SMA Connectors

code -L

Specifications					Units
Frequency	6-6.5	10.7-12.8	2-6	2-18	GHz
Insertion Loss	0.6	0.6	0.9	1.2	dB max (4.77dB Theoretical) + device
Isolation	17	18 14.5	16	15	dB P2-3 / P3-4 dB P2-4
VSWR in	1.3	1.4	1.4	1.4	:1
VSWR out	1.25	1.2	1.4	1.4	:1
Amplitude balance	<± 0.3	<± 0.3	<± 0.4	<± 0.4	dB max
Phase balance	<±3°	<±3°	4	4	Degree max
Power	1	1	1, 5	2	Watt
Connectors	SMA	SMA	SMA	SMA	
Operating Temperature	-45 to 85	-45 to 85	-45 to 85	-45 to 85	°C
Storage Temperature	-50 to 125	-50 to 125	-50 to 125	-50 to 125	°C