

## Data for Models 2530-4A-16 and 2530-4B-16 Four-Station Branched Combiners

### Performance specifications

		Model 2530-4A-16	Model 2530-4B-16
Type:	Resonant Cavity		
Maximum Input Power:	10 kW		20 kW
Size:	16"		
No. of Cavities:	4		
Cooling:	Convection		Forced Air
Typical VSWR	at $\pm 100$ kHz:	1.05:1	
	at $\pm 150$ kHz:	1.05:1	
	at $\pm 200$ kHz:	1.10:1	
Typical Insertion Loss:	-0.35 dB		
Typical Frequency Response (deviation from center frequency)	at $\pm 100$ kHz:	-0.04 dB	
	at $\pm 150$ kHz:	-0.08 dB	
	at $\pm 200$ kHz:	-0.10 dB	
Typical Group Delay (deviation from center frequency)	at $\pm 100$ kHz:	25 nsec	
	at $\pm 150$ kHz:	50 nsec	
	at $\pm 200$ kHz:	200 nsec	
Typical Bandwidth:	$\pm 200$ kHz		
Spur Rejection, 800 kHz or greater:	Greater than 80 dB		

### Inputs, outputs, and weight:

	Model 2530-4A-16	Model 2530-4B-16
Inputs:	1-5/8" EIA	6-1/8" EIA
Outputs:	3-1/8" EIA	6-1/8" EIA
Shipping Weight:	1350 lb (614 kg)	1550 lb (705 kg)

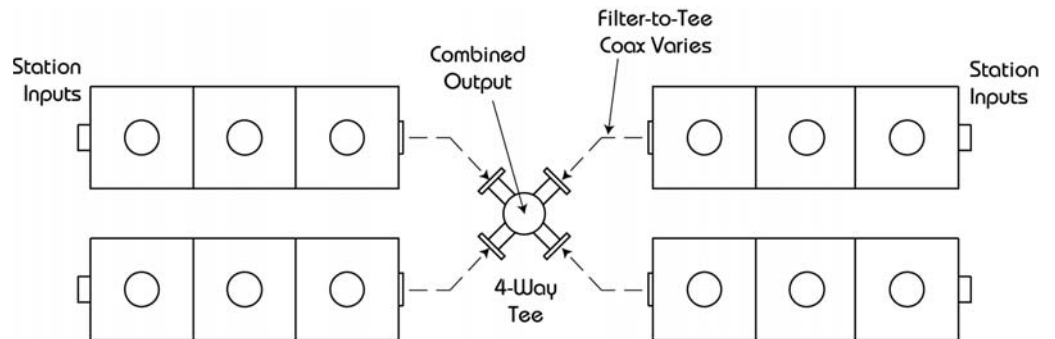
### Layout:

#### NOTE

The layout will be a starpoint. Since the starpoint must be laid out specifically for the specific frequencies of the stations, actual installations will vary.

#### NOTE

Blowers for the forced-air-cooled units occupy a footprint of approximately 24" x 24" (51 x 51 cm). They must be located near the output end of the filter, but are not included in the length shown.



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A Division of Howell Laboratories, Inc., P. O. Box 389, Bridgton, Maine 04009 USA

(207) 647-3327

1-888-SHIVELY

Fax: (207)647-8273

An Employee-Owned Company

www.shively.com

sales@shively.com

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