

## Typical Data for Models 2916-2, -3, and -4 Bandpass Filter

### Performance specifications:

Type:	Resonant Cavity			
Size:	6"			
Model:	2916-2	2916-3	2916-4	
No. of cavities:	2	3	4	
Typical VSWR	at $\pm 100$ kHz:	1.03:1	1.06:1	1.06:1
	at $\pm 150$ kHz:	1.15:1	1.05:1	1.05:1
	at $\pm 200$ kHz:	1.25:1	1.08:1	1.08:1
Typical insertion loss:	-0.4 dB	-0.75 dB	-1.00 dB	
Typical frequency response (deviation from center frequency)	at $\pm 100$ kHz:	-0.01 dB	-0.05 dB	-0.08 dB
	at $\pm 150$ kHz:	-0.05 dB	-0.15 dB	-0.15 dB
	at $\pm 200$ kHz:	-0.10 dB	-0.20 dB	-0.20 dB
Typical group delay (deviation from center frequency)	at $\pm 100$ kHz:	15 nsec	20 nsec	25 nsec
	at $\pm 150$ kHz:	25 nsec	40 nsec	50 nsec
	at $\pm 200$ kHz:	50 nsec	100 nsec	150 nsec
Typical bandwidth:	$\pm 200$ kHz	$\pm 200$ kHz	$\pm 200$ kHz	

### Inputs, outputs, and weight:

Inputs:	7/16 DIN Female
Outputs:	7/16 DIN Female
Maximum input power:	1,500 W
Cooling:	Convection
Shipping weight:	2916-2: 31 lb (14.1 kg)
	2916-3: 48 lb (21.8 kg)
	2916-4: 65 lb (29.5 kg)
Dimensions:	48" (121.9 cm) H
	2916-2: 6-5/8" (16.8 cm) W x 14" (35.6 cm) L
	2916-3: 11-1/4" (28.6 cm) W x 15-5/8" (39.7 cm) L
	2916-4: 13" (33.0 cm) W x 13" (33.0 cm) L



Document No. ds-2916 (171005)

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  
 Certified to ISO-9001