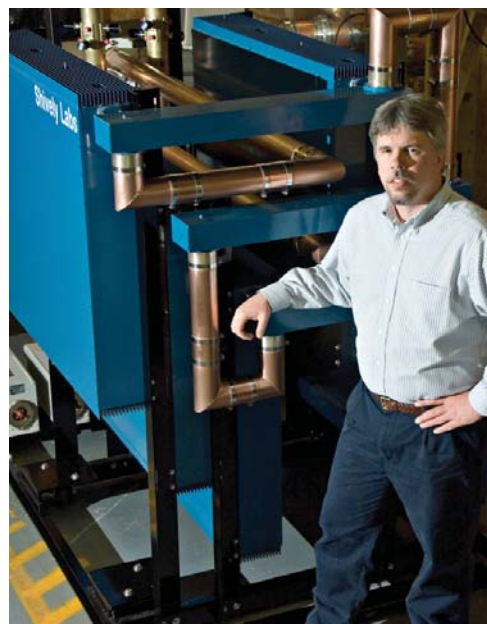


## Data for Models 2640-06-1/1 and 2640-06-1/3 Balanced Combiner Module

### Performance specifications

Type:	Interdigital	
Size:	6"	
No. of cavities per filter:	4	
Typical VSWR	at $\pm 100$ kHz:	1.04:1
	at $\pm 150$ kHz:	1.04:1
	at $\pm 200$ kHz:	1.06:1
Typical insertion loss:	-0.60 dB	
Typical frequency response (deviation from center frequency)	at $\pm 100$ kHz:	-0.01 dB
	at $\pm 150$ kHz:	-0.02 dB
	at $\pm 200$ kHz:	-0.05 dB
Typical group delay (deviation from center frequency)	at $\pm 100$ kHz:	25 nsec
	at $\pm 150$ kHz:	50 nsec
	at $\pm 200$ kHz:	120 nsec
Typical bandwidth:	$\pm 200$ kHz	
Spur rejection, $\pm 800$ kHz or greater:	Greater than 80 dB	



Model 2640-3A with its designer, Alan Plummer

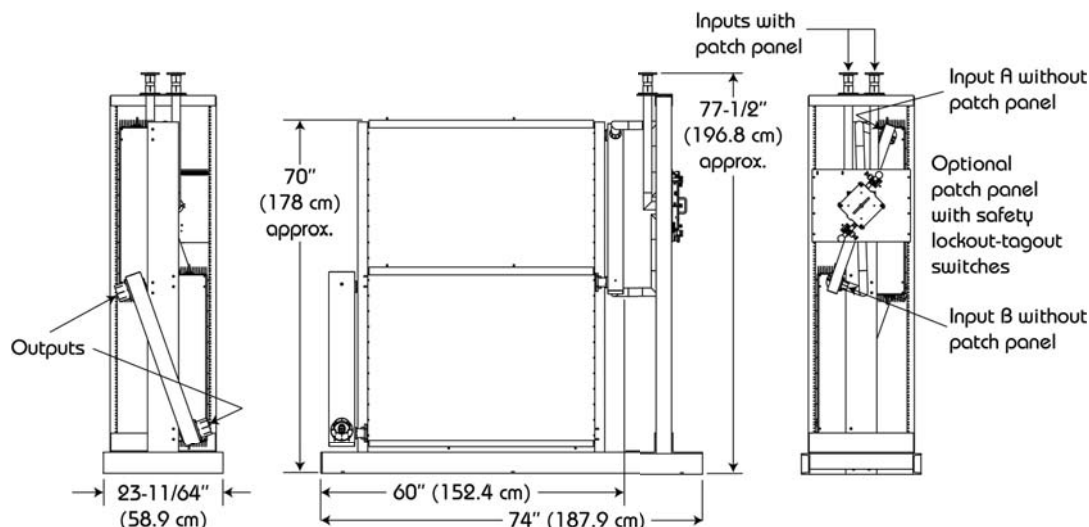
### Inputs, outputs, and weight:

		2640-06-1/1	2640-06-1/3
Input connection:		1-5/8" EIA	
Input hybrid:		1-5/8" EIA	
Output connection:		1-5/8" EIA	3-1/8" EIA
Output hybrid:		1-5/8" EIA	3-1/8" EIA
Maximum filter input power:		10 kW	
Maximum power through output hybrid:	Average	10 kW	40 kW
	Peak	TBD	440 kW
Shipping weight:		500 lb (227 kg)	

### Dimensions:

#### NOTE

Dimensions shown are from a recent unit. Other configurations are available.



Document No. ds-2640-06 (150317)