

Broadband (5-1002MHz)

Insertion Loss

(Maximum Values Shown, Typical Values are 0.2-to-0.5dB Better)

Model		Frequency				
		5MHz ←————→ 1002MHz				
		5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Combiner	T2C-TE	4.8dB	4.8dB	4.8dB	4.8dB	5.0dB
Splitter	T2S-TE	4.8dB	4.8dB	4.8dB	4.8dB	5.0dB
Combiner	D4C-T	7.6dB	7.3dB	7.3dB	8.1dB	8.9dB
Splitter	D4S-T	7.6dB	7.3dB	7.3dB	8.1dB	8.9dB
Combiner	D4C-TE	8.4dB	8.3dB	8.3dB	8.4dB	8.9dB
Splitter	D4S-TE	8.4dB	8.3dB	8.3dB	8.4dB	8.9dB
Universal	D4U-E	7.9dB	7.9dB	8.0dB	8.0dB	8.0dB
Combiner	8C-T	11.0dB	10.6dB	10.5dB	11.7dB	12.5dB
Splitter	8S-T	11.0dB	10.6dB	10.5dB	11.7dB	12.5dB
Combiner	8C-TE	12.4dB	12.4dB	12.3dB	12.3dB	12.5dB
Splitter	8S-TE	12.4dB	12.4dB	12.3dB	12.3dB	12.5dB
Universal	8U-E	11.9dB	11.8dB	11.8dB	11.8dB	11.9dB
DC Dual	DC-20dB	0.8dB	0.6dB	0.8dB	0.9dB	1.0dB

Return Loss “Common” Port

(Minimum Values Shown, Typical Values are 3-to-5dB better)

Model		Frequency				
		5MHz ←————→ 1002MHz				
		5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
All	Modules	18dB	20dB	20dB	20dB	20dB

Return Loss all “In” or “Out” Ports

(Minimum Values Shown, Typical Values are 3-to-5dB better)

Model		Frequency				
		5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
All	Modules	18dB	22dB	22dB	22dB	22dB

Isolation Port to Port or Test Port to Output (for DC)

(Minimum Values Shown, Typical Values are 3-to-5dB Better)

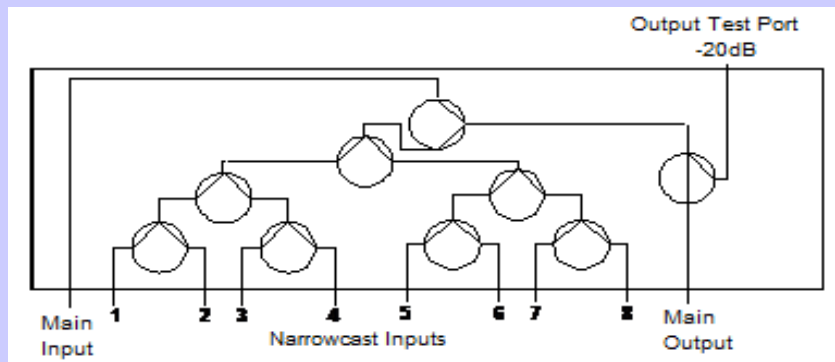
Model	Frequency				
	5MHz ←————→ 1002MHz				
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
All 8-way Modules	28dB	30dB	30dB	30dB	30dB
All 4-way Modules	24dB	30dB	30dB	30dB	30dB
All 2-way Modules	24dB	30dB	30dB	30dB	30dB
DC-20dB	40dB	45dB	45dB	45dB	40dB

Abbreviations:

First	Second	Third	Forth	Fifth	Sixth
T – triple	2 - 2-way	F- Forward Path	S - Splitter	T - Test Port	E - Equalizer
D – dual	4 - 4-way	R –Return Path	C - Combiner	-20 dB±0.5dB	
single	8 - 8-way	B –Broadband	U - Universal		
DC- Directional Coupler					

Broadcast/ 8-way Narrowcast Combiner

5MHz ←————→ 1002MHz



Model	Return Path			Forward Path	
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Broadcast/ 8-way Narrowcast Combiner	16dB	16dB	16dB	16dB	16dB
Broadcast Ports	3.7dB	3.6dB	3.6dB	4.3	5.0dB

*Return Loss "Broadcast In and Out" Ports
(Minimum Values Shown, Typical Values are 3-to-5dB Better)*

Model	Return Path		Forward Path		
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Broadcast/ 8-way Narrowcast Combiner	18dB	20dB	20dB	20dB	20dB

*Return Loss all "Narrowcast" Ports
(Minimum Values Shown, Typical Values are 3-to-5dB Better)*

Model	Return Path		Forward Path		
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Broadcast/ 8-way Narrowcast Combiner	18dB	21dB	22dB	22dB	22dB

*Isolation "Narrowcast" Port to Port
(Minimum Values Shown, Typical Values are 3-to-5dB Better)*

Model	Return Path		Forward Path		
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Broadcast/ 8-way Narrowcast Combiner	30dB	30dB	30dB	30dB	30dB

*Isolation "Narrowcast" Ports to "Broadcast" In Port
(Minimum Values Shown, Typical Values are 3-to-5dB Better)*

Model	Return Path		Forward Path		
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Broadcast/ 8-way Narrowcast Combiner	47dB	48dB	48dB	50dB	50dB

Test Port -20dB±0.5dB