

Broadband Series (5-1002MHz)

Insertion Loss

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

Module Type	Model #	Frequency 5MHz - 1002MHz				
		5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Combiner	T2BC-TE	4.8dB	4.8dB	4.8dB	4.8dB	5.0dB
Splitter	T2BS-TE	4.8dB	4.8dB	4.8dB	4.8dB	5.0dB
Universal	T2BU-E	4.1dB	4.0dB	4.0dB	4.0dB	4.01dB
Combiner	D4BC-T	7.6dB	7.3dB	7.3dB	8.1dB	8.9dB
Splitter	D4BS-T	7.6dB	7.3dB	7.3dB	8.1dB	8.9dB
Combiner	D4BC-TE	8.4dB	8.3dB	8.3dB	8.4dB	8.9dB
Splitter	D4BS-TE	8.4dB	8.3dB	8.3dB	8.4dB	8.9dB
Universal	D4BU-E	7.9dB	7.9dB	8.0dB	8.0dB	8.0dB
Combiner	8BC-T	11.0dB	10.6dB	10.5dB	11.7dB	12.5dB
Splitter	8BS-T	11.0dB	10.6dB	10.5dB	11.7dB	12.5dB
Combiner	8BC-TE	12.4dB	12.4dB	12.3dB	12.3dB	12.5dB
Splitter	8BS-TE	12.4dB	12.4dB	12.3dB	12.3dB	12.5dB
Universal	8BU-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

NOTE: "T" Designates inclusion of a -20dB Test Point and "TE" Designates inclusion of a -20dB Test Point and Equalizer

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 5MHz - 1002MHz				
	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)**

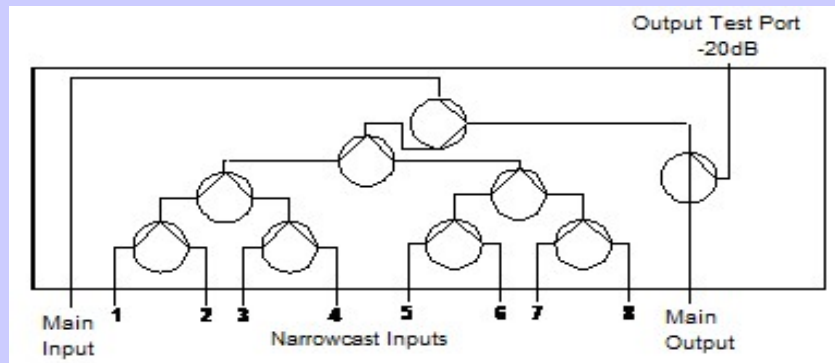
(Minimum Values Shown, Typical Values are 3-to-5dB Better)

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

First	Second	Third	Fourth	Fifth	Sixth
"T" Triple	"2" 2-way	"B" Broadband 5 - 1002 MHz	"S" Splitter	"T" Test Port	"E" Equalizer
"D" Dual	"4" 4-way		"C" Combiner	-20 dB±0.5dB	
Single	"8" 8-way		"U" Universal		
"DC" Directional Coupler					

HPS Series Passive Module Model # Reference

Broadcast/ 8-way Narrowcast Combiner Module



5MHz □ □ □ □ □ □ □ 1002MHz

Model# BNC-8T	Frequency				
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Broadcast/ 8-way Narrow-cast 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	Frequency				
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Broadcast/ 8-way Narrow-cast Combiner	18dB	20dB	20dB	20dB	20dB

Return Loss all "Narrowcast" Ports

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

Model	Frequency				
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Broadcast/ 8-way Narrow-cast Combiner	18dB	21dB	22dB	22dB	22dB

Isolation "Narrowcast" Port to Port

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

Model	Frequency				
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Broadcast/ 8-way Narrow-cast Combiner	30dB	30dB	30dB	30dB	30dB

Isolation "Narrowcast" Ports to "Broadcast" In Port

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

Model	Frequency				
	5-10MHz	10-50MHz	50-200MHz	200-870MHz	870-1002MHz
Broadcast/ 8-way Narrow-cast Combiner	47dB	48dB	48dB	50dB	50dB

Test Port : -20dB±0.5dB