



# STAR-POINT COMBINER

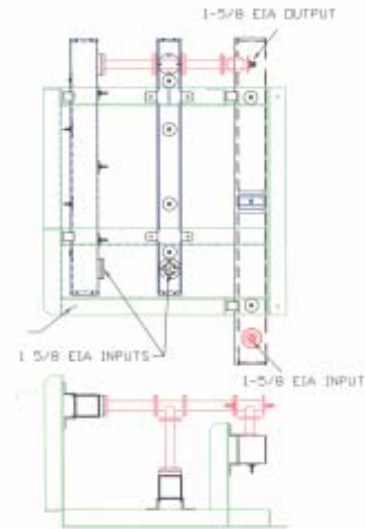
- Low Cost
- Low Loss
- High Isolation
- Low VSWR
- Compact Size

MCI's Star Point Combiners are used to combine two or more channels into a common antenna. Up to five channels can be combined using this approach.

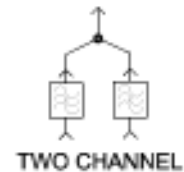
The Star Point Combiner consists of interdigital bandpass filters constructed of a number of tuned cavities. The amount of cavities is based on the frequencies to be combined. The filters are combined into a common "T" using properly phased coax lengths.

This design of combiner is ideal where the power levels are of relatively low to medium power.

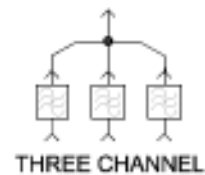
MCI also manufactures the broadband antenna systems that compliment these combining networks.



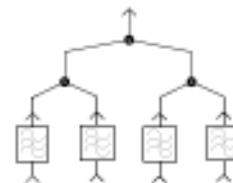
3 CHANNEL COMBINER



TWO CHANNEL



THREE CHANNEL



FOUR CHANNEL



<b>SPECIFICATIONS</b>	
VSWR:	1.30 (Each Channel)
Frequency:	Specify Channels
Insertion Loss:	0.6 dB (Each Channel)
Isolation:	30 dB (Between Inputs)
Cooling:	None Required

	<b>VHF</b>	<b>UHF</b>
<b>FREQUENCY (MHz)</b>	174-216	470-860
<b>CHANNEL RANGE</b>	7-13	14-69
<b>MODEL</b>	43264	43274
<b>POWER (COMBINED OUTPUT)</b>	30kW	20kW
<b>SIZE in (mm)</b>	68x30x12 (1725x760x305)	48x30x6 (1220x760x150)
<b>WEIGHT lbs (kg)</b>	140 (64)	100 (45)
<b>CONNECTORS EIA</b>	3 1/8	3 1/8
<b>MODEL</b>	43263	43273
<b>POWER (COMBINED OUTPUT)</b>	10kW	6kW
<b>SIZE in (mm)</b>	60x30x8 (1725x760x305)	48x30x6 (1220x760x150)
<b>WEIGHT lbs (kg)</b>	80 (36)	80 (36)
<b>CONNECTORS EIA</b>	1 5/8	1 5/8
<b>MODEL</b>	43262	43272
<b>POWER (COMBINED OUTPUT)</b>	2kW	2kW
<b>SIZE in (mm)</b>	60x30x8 (1725x760x305)	48x30x6 (1220x760x150)
<b>WEIGHT lbs (kg)</b>	80 (36)	80 (36)
<b>CONNECTORS EIA</b>	7/8	7/8

All specifications are subject to change without notice.

**\*\* Above models show two channel configurations.**

