

XHC & LCC Series Headend Combiners

XHC Series 8, 12 & 16 Way Headend Combiners

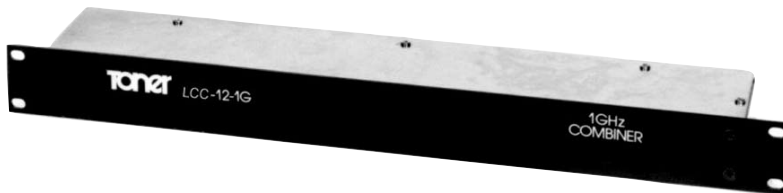
The Toner XHC Series combiners are full bandwidth 5 MHz to 1 GHz 8, 12, or 16 way combiner/splitters. They may be used to combine the outputs of separate signal sources such as modulators and processors or it also can be used to distribute the output of a phase lock generator or emergency alert system.



SPECIFICATIONS

| Model | XHC-8-1G | XHC-12-1G | XHC-16-1G |
|--------------------------------|--|----------------------|----------------------|
| Bandwidth | 5-1000 MHz | | |
| Number of Inputs | 8 | 12 | 16 |
| Test Port | 1 @ -20 dB | | |
| Flatness (10-1000 MHz) | 1.5 dB | 1.5 dB | 2.0 dB |
| Impedance | 75 ohms | | |
| F Ports | 1/2" silver plated 3/8" - 32 UNEF | | |
| Insertion Loss (± 1.5 dB) | 14.5 dB | 17.5 dB | 20 dB |
| Port to Port Isolation | | | |
| 5-800 MHz | 40 dB typical, 36 dB minimum | | |
| 800-1000 MHz | 38 dB typical, 32 dB minimum | | |
| Input Return Loss | 18 dB typ, 15 dB min | 18 dB typ, 14 dB min | 18 dB typ, 14 dB min |
| Output Return Loss | 18 dB typ, 15 dB min | 18 dB typ, 13 dB min | 18 dB typ, 12 dB min |
| Dimensions | 19 W x 3.5" D x 1.75" H (482 mm x 87 mm x 44 mm) | | |
| Weight | 3 lb, 9 oz (1.47 kg) | | |

LCC-12-1G Headend Combiner



The LCC-12-1G is a full bandwidth, 5 to 1000 MHz, 12 way combiner. This unit features 12 F type inputs and 1 F type output on the back with a -20 dB test point on the front for convenience.

SPECIFICATIONS

| | |
|--------------------|-------------------------------|
| Frequency Range | 5 MHz to 1 GHz |
| Flatness | 3 dB 10 MHz to 1000 MHz |
| Inputs | 12 |
| Test Ports | -20 dB |
| Output Ports | 1 |
| Isolation | 34 dB typical (30 dB minimum) |
| Insertion Loss | 17 dB typical (20 dB maximum) |
| Input Return Loss | 15 dB typical (12 dB minimum) |
| Output Return Loss | 15 dB typical (12 dB minimum) |
| Impedance | 75 ohm |
| Size (LxWxD) | 19 x 3 1/8" x 3/12 |
| | 483 mm x 79 mm x 44 mm |
| Weight | 3 lb-9 oz (1.47 kg) |