

Headend Passive Combiners

HPC Series



Features & Benefits

- 1 RU Chassis
- -20 dB Front Panel Test Port
- RFI Shield

HPC series consists of 5-1000 MHz passive RF combiners designed for use in a headend to combine the output of up to 32 single-channel devices such as modulators and processors. HPC is available in 8-, 12-, 24-, or 32-port models.

All HPC models feature a compact design, high isolation between ports, low net combining loss, and RFI shielding for minimized egress/ingress interference. A front-panel -20 dB test port (75-Ohm “F” type connector) allows testing of the unit’s output without interrupting the service.

Specifications

Performance	Frequency (Mhz)	HPC-8	HPC-12 & 12S	HPC-24& 24S	HPC-32
Max. Insertion Loss (dB)	5-40	11.2	14.3	17.2	17.2
	40-450	11.2	14.3	17.5	17.5
	450-750	12	15	19	19
	750-1000	12.5	16.5	20	20
Min. Isolation (dB)	5-40	24	30	30	30
	40-450	27	32	32	32
	450-750	27	30	30	30
	750-1000	23	28	28	28
Test Port (dB)	5-40	20+/-0.5	20+/-0.5	20+/-0.5	20+/-0.5
	40-450	20+/-0.5	20+/-0.5	20+/-0.5	20+/-0.5
	450-750	20+/-0.5	20+/-0.5	20+/-0.5	20+/-0.5
	750-1000	20+/-0.5	20+/-0.5	20+/-0.5	20+/-0.5
Input Return loss (dB)	5-40	18	20	20	20
	40-450	22	20	20	20
	450-750	22	20	20	20
	750-1000	18	18	18	18
Output Return loss	5-40	18	20	20	20
	40-450	22	20	20	20
	450-750	22	18	18	18
	750-1000	18	18	18	18
Impedance	5-1000	75 Ohms	75 Ohms	75 Ohms	75 Ohms

General

Dimensions (W x D x H):	HPC-xx	19.0 x 8.0 x 1.75 inches (483 x 203 x 44 mm)
	HPC-xxS	19.0 x 2.9 x 1.75 inches (483 x 74 x 44 mm)
Shipping Weight:	HPC-xx	2.3 lbs (1.04 kg)
	HPC-xxS	1.9 lbs (0.86 kg)
Connectors	Inputs:	"F" Type Female
	Output:	"F" Type Female
	Test Port:	"F" Type Female

Ordering Information

Model	Stock No.	Description
HPC-8	5791	8-port Headend Passive Combiner, 8.0-inch deep, 5-1000 MHz
HPC-12	5792	12-port Headend Passive Combiner, 8.0-inch deep, 5-1000 MHz
HPC-12S	5792S	12-port Headend Passive Combiner, 2.9-inch deep, 5-1000 MHz
HPC-24	5790	24-port Headend Passive Combiner, 8.0-inch deep, 5-1000 MHz
HPC-24S	5790S	24-port Headend Passive Combiner, 2.9-inch deep, 5-1000 MHz
HPC-32	5796	32-port Headend Passive Combiner, 8.0-inch deep, 5-1000 MHz