

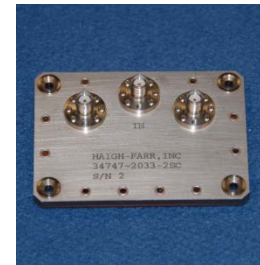
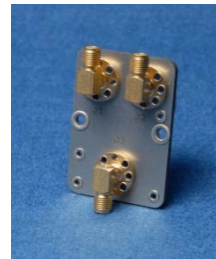


POWER DIVIDERS / COMBINERS

The Haigh-Farr's versatile line of power dividers / combiners provides 2, 3, 4, or 6-way division and is available from UHF to X-Band frequencies. Complementing the line of equal amplitude in-phase models, unequal amplitude distribution, phase progression, and quadrature hybrid models are available.

For most applications they are provided flat, but may be provided curved to naturally mate with cylindrical or conical surfaces. Matching cables are available.

Haigh-Farr power dividers/combiners utilize the same well-proven, rugged construction as our Wraparound™, Flexislot™, and Omnislot™ antennas.



FEATURES:

- Frequencies from UHF to X-Band
- 2, 3, 4, or 6-way Designs
- Equal Amplitude Distributions, Phase Progression and Quadrature Hybrid Models Available
- Small, Compact Footprint
- Conformal and Custom Footprints Available
- Built for Extreme Shock & Vibration

APPLICATIONS:

- Launch Vehicles
- Atmospheric Rockets
- Spacecraft
- Aircraft, Helicopters
- UAVs
- Multi-Element System

DESIGN CAPABILITY:

With over 50 years of design history, your power divider/combiner configuration/ performance requirements may already exist, or extrapolations from similar Haigh-Farr designs may be possible with minimal effort. If a design meeting your requirements does not exist, Haigh-Farr has the experience and modeling capability to customize a solution. Contact Haigh-Farr for a review of your power divider/combiner requirements.

Rev 1 01/18 approved for release



POWER DIVIDERS / COMBINERS

Band	Frequency Range GHz	# Ports	Split	P/N	VSWR MAX/TYPICAL
UHF	410 – 420 MHz	2-way	equal	2003	1.50:1/1.2:1
UHF	400 – 475 MHz	2-way	equal	2162	1.50:1/1.2:1
UHF	400 – 450 MHz	2-way	equal	2171	1.50:1/1.2:1
UHF	400 – 450 MHz	3-way	equal	2161	1.50:1/1.2:1
UHF	916.5±25 MHz	2-way	equal	2582	1.50:1/1.2:1
UHF	916.5±25 MHz	2-way	70/30	2583	1.50:1/1.2:1
L	1.35 – 1.54	2-way	90/10	2169-2 ¹	1.50:1/1.2:1
L	1.20 – 1.60	2-way	equal	2169 ¹	1.50:1/1.2:1
L	1.43 – 1.54	2-way	80/20	2169-1	1.50:1/1.2:1
L	1.43 – 1.54	2-way	75/25	2169-4	1.50:1/1.2:1
L	1.60 – 2.00	3-way	equal	2172	1.50:1/1.2:1
L	1.71 – 1.85	2-way	equal	2173 ¹	1.50:1/1.2:1
L	1.71 – 1.85	2-way	70/30	2173-2	1.50:1/1.2:1
S	2.20– 2.40	2-way	equal	2030 ¹	1.50:1/1.2:1
S	2.20– 2.50	2-way	equal	2030-1 ¹	1.50:1/1.2:1
S	2.20– 2.40	2-way	70/30	2038 ¹	1.50:1/1.2:1
S	2.20– 2.40	2-way	80/20	2038-1 ¹	1.50:1/1.2:1
S	2.20– 2.40	2-way	75/25	2038-2	1.50:1/1.2:1
S	2.20– 2.40	2-way	60/40	2038-3	1.50:1/1.2:1
S	2.20– 2.40	2-way	90/10	2169T-5	1.50:1/1.2:1
S	2.20– 2.50 DS	3-way	equal	2440	1.50:1/1.2:1
S	2.20– 2.30	3-way	phased	2167	1.50:1/1.2:1
S	2.20– 2.40	4-way	equal	2441	1.50:1/1.2:1
S	2.20– 2.40	6-way	equal	2439	1.50:1/1.2:1
C	4.20– 4.50	2-way	equal	2033-1	1.50:1/1.2:1
C	4.50– 5.00	2-way	equal	2033 ¹	1.50:1/1.2:1
C	5.40– 5.90	2-way	equal	2033-2 ¹	1.50:1/1.2:1
C	5.40– 5.90	3-way	equal	2166	1.50:1/1.2:1
X	9.00– 9.31	2-way	equal	2243	1.50:1/1.2:1
X	9.00– 9.31	3-way	equal	2244	1.50:1/1.2:1
Quadrature Hybrids					
UHF	400 – 450 MHz	4	equal	2600-2	1.50:1/1.2:1
S	2.20 – 2.40	4	equal	1990	1.50:1/1.2:1
C	5.40 – 5.90	4	equal	1995	1.50:1/1.2:1

- Impedance: 50 Ohms
- Insertion loss: <1dB
- Connector: SMA, ¹TNC option available
- Dimensions are provided in mechanical outline drawings available upon request
- Environmental: Typical for supersonic tactical missiles and kinetic kill weapons

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