



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 Power Dividers/Combiners 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.

APPLICATIONS:

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

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



CUSTOM ANTENNA DESIGN

Haigh-Farr designs custom antennas to meet customer specifications.



LEVERAGE EXISTING DESIGNS

Haigh-Farr can take an existing design and customize it to meet your application, saving NRE dollars and design time.



IN-HOUSE CAPABILITIES

Manufacturing & testing is done in-house.



PART NUMBERS

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	1.0 - 1.8	2-way	equal	2169-FB	1.50:1/1.2:1
L	1.20 - 1.6	2-way	90/10	2169-2 ¹	1.50:1/1.2:1
L	1.2 - 1.6	2-way	80/20	2169-1	1.50:1/1.2:1
L	1.2 - 1.6	2-way	90/10	2169-2	1.50:1/1.2:1
L	1.2 - 1.6	2-way	75/25	2169-4	1.50:1/1.2:1
L	1.0 - 1.8	2-way	60/40	2169-6	1.50:1/1.2:1
L/S	1.10 - 2.30	2-way	equal	1718-FB*	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	3-way	90/10	2038T-4	1.30:1/1.2:1
S	2.20– 2.50	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					
S	2.20 – 2.40	4-way	equal	1990-FB	1.50:1/1.2:1
C	5.40 – 5.90	4-way	equal	1995	1.50:1/1.2:1

- Impedance: 50 Ohms
- Insertion loss: <1 dB
- 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