

CPS 4

Cable power splitter/combiners for coupling 4 antennas to a common feeder

- The CPS 4 series of power splitters are manufactured using high quality coaxial cable and connectors.
- The CPS 4 power splitters use quarter wave coaxial cable transformer sections to match two or more loads to one source.



DESCRIPTION

- Phase shift can be incorporated to produce electrical beam tilt with phased dipole arrays.
- The junction points on the CPS 4 power splitters are completely encapsulated with epoxy resin within a high grade aluminium tube totally preventing dust and moisture ingress.

ORDERING DESIGNATIONS

TYPE	FREQUENCY	PRODUCT NO.
CPS 4-78	66 - 88 MHz	CPS 4-78
CPS 4-98	88 - 108 MHz	CPS 4-98
CPS 4-127	117 - 137 MHz	CPS 4-127
CPS 4-160	145 - 175 MHz	CPS 4-160
CPS 4-200	192 - 208 MHz	CPS 4-200
CPS 4-405	380 - 430 MHz	CPS 4-405
CPS 4-445	420 - 470 MHz	CPS 4-445

SPECIFICATIONS

ELECTRICAL	
FREQUENCY RANGE	27 – 500 MHz
INPUT IMPEDANCE	50 Ω
BANDWIDTH	± 12% of centre frequency
VSWR	< 1.3:1
MAX. INPUT POWER	500 W
MECHANICAL	
INPUT CONNECTION	1 m length RG 213 c/w N type female
OUTPUT CONNECTION	N type male on 0.5 m RG 213
BODY	Aluminium tube 38.1 mm
INSULATOR	Epoxy resin encapsulant