

CPS 3

Cable power splitter/combiners for coupling 3 antennas to a common feeder

- The CPS 3 series of power splitters are manufactured using high quality coaxial cable and connectors.
- The CPS 3 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 3 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 3-78	66 - 88 MHz	CPS 3-78
CPS 3-98	88 - 108 MHz	CPS 3-98
CPS 3-127	110 - 140 MHz	CPS 3-127
CPS 3-160	140 - 180 MHz	CPS 3-160
CPS 3-200	180 - 220 MHz	CPS 3-200
CPS 3-405	380 - 430 MHz	CPS 3-405
CPS 3-445	420 - 470 MHz	CPS 3-445

SPECIFICATIONS

ELECTRICAL	
FREQUENCY RANGE	66 - 470 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