



DS18818. October 31, 2019

UHF Transmit Combiner with Integrated Antenna Power Monitor

Available in the UHF 380-512 MHz bands.

The combiner features a compact 7RU form which includes the integrated, frequency selective antenna power monitor (DPM) in the base 4 channel configuration

The antenna power monitor is integrated in the unit and is Ethernet / SNMP / SYSLOG enabled providing information such as: forward power, reflected power, antenna VSWR, heat sink temperature.

The integrated DPM enables easy factory or field tuning using only the base station radio and a PC.

SNMP alarm and SYSLOG will be generated upon high antenna VSWR and high temperature. All alarms are user configured through Ethernet or SNMP.

All modules are broad band (20 MHz) and symmetrical.



6 ch. Combiner & Digital Power Monitor

The base configuration is 4 channels with DPM and it can be expanded by 2 channels.

Combilent

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Specification, System

400-420 MHz
 400-420 MHz
 450-470 MHz
 450-470 MHz

Other bands on request
 20 MHz tuning range

Part Numbers

CP02258
 CP02259
 CP02221
 CP02222

Description

4 ch combiner with DPM 410 MHz
 2 ch expansion 410 MHz
 4 ch combiner with DPM 460 MHz
 2 ch expansion 460 MHz

Specification

Minimum spacing
Input power
Insertion loss, 4 ch
Insertion loss, 8 ch
Tx-Tx isolation
Input return loss
Output return loss
Operating temp.
Connectors, inputs
Connector, output
Dimensions, 4 ch
Dimensions, 2 ch
Weight, 4 ch
Weight, 2 ch
Drawings

Combiner

150 kHz
 100 W / ch
 3.4 dB typ
 4.0 dB typ.
 >60 dB
 >20 dB
 >10 dB
 -30°C to 60°C
 N-female
 7-16 female
 19", 7U, 14" deep
 19", 4U, 14" deep
 40 lbs
 20 lbs
 CP02258/02221:
 OD14461.pdf
 CP02259/02222:
 OD13605.pdf

Specification

Power supply
Interfaces

Inputs
Functions and alarms

Features

Alarm output

Power Monitor (DPM)

110V/230V AC
 Integrated web-server
 SNMP v2C
 SYSLOG
 Temperature sensors
 Cavity tuning
 Forward power (per cavity)
 Reflected power (per cavity)
 Antenna VSWR (per cavity)
 Heat sink temperature
 SNTP
 Firmware update
 Factory test data
 Dry contact alarm

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