

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.

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Leading innovation and reliability for Public Safety

DS18818
October 2018

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

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

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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