AMPHENOL PROCOM

5-Channel Compact Hybrid Combiner with single or dual isolators

DESCRIPTION

> The compact 5-channel hybrid combiner has been designed to help where a physical small size is of great importance. Also the insertion loss is equal and low for all five channels.
> The hybrid is used where 5 Tx-channels, with very little (or no) frequency spacing, are combined into one antenna.
> The hybrid combiner is for 19" rack mounting.
> Choose between Single or Dual isolators.
> Options: Maximum input of 35, 50 or 100 W.
> Please specify the frequencies for each Tx when ordering.

PRO-PHY450-5SI3-35

PRO-PHY450-5DI3-100

SPECIFICATIONS

Electrical		
Model	PRO-PHY450-5SI3-...	PRO-PHY450-5DI3-...
Frequency	380 - 470 MHz	380 - 470 MHz
Max. Input Power	35 W / 50 W / 100 W	35 W / 50 W / 100 W
Spacing Tx-Tx	< 10 MHz	< 10 MHz
Insertion Loss	≤ 8.6 dB	≤ 9 dB
Impedance	50 Ω	50 Ω
Isolation Tx-Tx	≥ 70 dB	≥ 90 dB
VSWR	< 1.5:1	< 1.5:1
No. of channels	5	5

Mechanical		
Connection(s)	N(f)	N(f)
Dimensions	35 W : 19" x 3 HU x 400 mm (482.6 x 132.55 x 400 mm) / 19 x 5.22 x 15.75 in. 50 W : 19" x 3 HU x 500 mm (482.6 x 132.55 x 500 mm) / 19 x 5.22 x 19.69 in. 100 W : 19" x 3 HU x 500 mm (482.6 x 132.55 x 500 mm) / 19 x 5.22 x 19.69 in.	35 W : 19" x 3 HU x 400 mm (482.6 x 132.55 x 400 mm) / 19 x 5.22 x 15.75 in. 50 W : 19" x 3 HU x 500 mm (482.6 x 132.55 x 500 mm) / 19 x 5.22 x 19.69 in. 100 W : 19" x 3 HU x 500 mm (482.6 x 132.55 x 500 mm) / 19 x 5.22 x 19.69 in.
Weight	35 W : Approx. 10.5 kg / 23.15 lb. 50 W : Approx. 11.75 kg / 25.90 lb. 100 W : Approx. 14 kg / 30.86 lb.	35 W : Approx. 11 kg / 24.25 lb. 50 W : Approx. 12.25 kg / 27.01 lb. 100 W : Approx. 15 kg / 33.07 lb.

Environmental		
Operating temperature range	−30 °C to +60 °C	−30 °C to +60 °C

ORDERING

Model	Product No.
PRO-PHY450-5DI3-35	Contact for product no.
PRO-PHY450-5SI3-35	Contact for product no.
PRO-PHY450-5DI3-50	Contact for product no.
PRO-PHY450-5SI3-50	Contact for product no.
PRO-PHY450-5DI3-100	Contact for product no.
PRO-PHY450-5SI3-100	Contact for product no.

PROCOM A/S reserves the right to amend specifications without prior notice

CE | UKCA

PROCOM A/S • Smedetoften 12
DK 3600 Frederikssund • Denmark

Page: 1 of 1
Last edited: 2024/03/14