

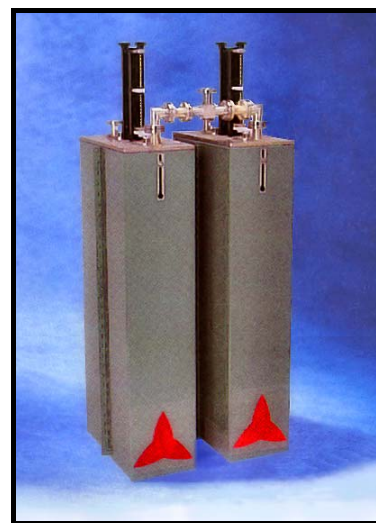
## FILTRI COMBINATORI PUNTO STELLA - STAR POINT COMBINING FILTERS



DC\*50W



DC\*200W / DC\*1KW



DC\* 1.5KW / DC\*2KW

### DESCRIZIONE

#### Description

I trasmettitori collegati all'ingresso dei filtri alimentano delle linee che convergono ad un punto comune (centro stella). Su ognuna delle linee è derivata, ad un quarto d'onda dal punto centrale, una rete filtrante F con caratteristiche di passa banda avente un'impedenza elevata sulla frequenza di transito ed una bassa impedenza, pertanto forte attenuazione, sulle frequenze degli altri canali.

*The transmitters feed lines that converge to a common point (star point). On every lines there is filter net F with pass band features at a quarter wave from the central point. The filter net presents an high impedance on transit frequency and a low impedance and therefore a strong subdue, on the other frequency channels.*

### SINTONIA

#### Tune

Tutte le apparecchiature vengono tarate in fabbrica al centro della banda di lavoro oppure secondo le specifiche del cliente. Per ogni filtro viene fornito il manuale d'uso e le relative curve di lavoro.

*The equipments are usually set up in the factory on customer request; they are otherwise set up at the centre of the frequency range. Each filter has end user manual.*

SPECIFICATIONS	DC*50W	DC*200W DC*1KW	DC*1.5KW DC*2KW	DC*5KW
Frequency range	87.5÷108 MHz	87.5÷108 MHz	87.5÷108 MHz	87.5÷108 MHz
Characteristic impedance	50 Ω	50 Ω	50 Ω	50 Ω
Max power handling capacity	50 W	1 KW	2 KW	3.5 KW
VSWR	≤1.05	≤1.05	≤1.05	≤1.05
Insertion loss	-0.9 dB	-0.5 dB	-0.5 dB	-0.5 dB
Isolation with 1.5 MHz	-	>25 dB	>25 dB	>25 dB
Isolation with 2 MHz	-	>28 dB	>28 dB	>28 dB
Isolation with 3,5MHz	>28 dB	>35 dB	>35 dB	>35 dB
Bandwidth -3dB	2177 KHz	760 KHz	760 KHz	760 KHz
Number of inputs	2 to 4	2 to 4	2 to 4	2 to 4
Minimum frequency spacing	3.5 MHz	1.85 MHz	1.85 MHz	1.85 MHz
Input connectors	N female	7/16 - N female	7/16 - 7/8	1+5/8
Output connectors	N female	N -7/16 female- 7/8	7/16 - 7/8	1+5/8
Colour	grey	grey	grey	grey
Nominal temperature range	-10° to +50°C	-10° to +50°C	-10° to +50°C	-10° to +50°C
Weight	12 Kg	55 Kg	65 Kg	95 Kg

\* - In caso d'ordine sostituire l'asterisco con il numero degli ingressi voluto (da 2 a 4).

\* - In case of order exchange the asterisk with the number of inputs you want (from 2 to 4).

**INFORMAZIONI COMMERCIALI:** A richiesta vengono forniti miscelatori con più ingressi e combinazioni.

**ORDERING INFORMATION:** On request we supply mixer with a different number of inputs.

PROTEL reserves the right to amend or modify any time in order to improve designs and to supply the best possible product described in this brochure without prior notification.

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