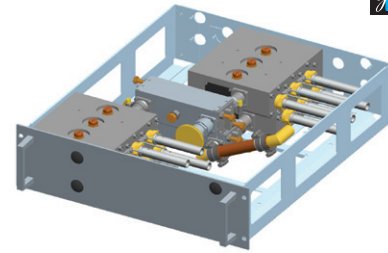


UHF Constance Impedance Combiner

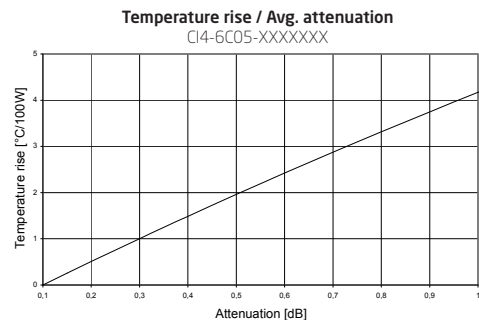
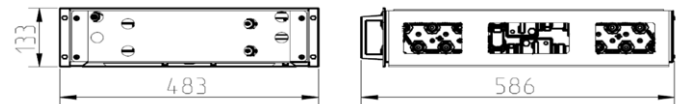
1.3 kW rms, 6 Pole

BAND IV-V

10 year GUARANTEE



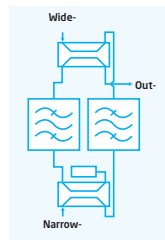
SPECIFICATIONS	50 mm Series
FREQUENCY	470 - 862 MHz
BANDWIDTH	6 - 8 MHz
STANDARD ORDER	6 Poles double cross coupling
OPTIONAL ORDER	6 Poles with or without single cross coupling
APPLICATION	Adjacent Ch combining
ATV	Spurious supress
DVB	Non critical mask
ATSC	Stringent mask
ISDB	Non critical mask
IMPEDANCE	50 Ohm
NB RETURN LOSS (VSWR)	>26 dB (<1.11)
WB RETURN LOSS (VSWR)	>30 dB (<1.07), 2 specified channels
MAX OUTPUT POWER RATING*	1.8 kW rms
NB STANDARD INPUT CONNECTOR	7/8" unflange
NB OPTIONAL INPUT CONNECTORS	7/16 f/m, N f/m
WB STANDARD INPUT CONNECTOR	7/8" unflange
WB OPTIONAL INPUT CONNECTORS	7/16 f/m, N f/m
STANDARD OUTPUT CONNECTOR	7/8" unflange
OPTIONAL OUTPUT CONNECTORS	7/16 f/m, N f/m
TEMPERATURE STABILITY	< 2 kHz / °C
MAX PRODUCT TEMPERATURE	70 °C
ENVIROMENTAL CONDITION	-5 to 70 °C IP40



ARTICLE: CI4-6C05-2NAA777

- CI** = Combiner type
- 4** = Frequency band
- 6** = Number of poles
- C** = Cavity based
- 05** = Cavity size
- 2** = Number of cross coupling
- N** = Coating
- A** = Narrowband coupler
- A** = Wideband coupler
- 7** = Narrowband connection
- 7** = Wideband connection
- 7** = Output connection

DIMENSIONS AND WEIGHT	
DIMENSIONS	586 x 483 x 133 mm (3U)
L x W x H	(23.1 x 19 x 5.2 in)
WEIGHT	17 kg (37.5 lb)
FRAME	19" subrack
COLOUR	Anodised aluminium



TYPICAL DATA*	8 MHz DVB-T	6 MHz ISDB-T	6 MHz ATSC
ARTICLE NO	CI4-6C05-2NAA777	CI4-6C05-2NAA777	CI4-6C05-2NAA777
NB INSERTION LOSS			
Avg. signal bandwidth	<0.80 dB	<0.90 dB	<1 dB
Centre frequency	<0.65 dB	<0.75 dB	<0.90 dB
Signal band edge	± 3.8 MHz <1.60 dB	± 2.79 MHz <1.35 dB	± 2.69 MHz <1.25 dB
	± 4.2 MHz >5 dB	± 3.15 MHz >1.90 dB	± 3.5 MHz >2 dB
	± 6.0 MHz >16 dB	± 4.5 MHz >17 dB	± 6.0 MHz >29 dB
	± 12.0 MHz >41 dB	± 9.0 MHz >47 dB	± 9.0 MHz >63 dB
WB INSERTION LOSS			
	± 24 MHz <0.10 dB	± 18 MHz <0.10 dB	± 18 MHz <0.10 dB
	± 16 MHz <0.10 dB	± 12 MHz <0.10 dB	± 12 MHz <0.10 dB
	± 8.0 MHz <0.25 dB	± 6 MHz <0.35 dB	± 6 MHz <0.40 dB
ISOLATION			
NARROWBAND - WIDEBAND	>36 dB	>36 dB	>36 dB
WIDEBAND - NARROWBAND @			
	± 4.2 MHz >36 dB	± 3.21 MHz >36 dB	± 3.31 MHz >36 dB
	± 8.0 MHz >70 dB	± 6 MHz >60 dB	± 6 MHz >85 dB
	± 16 MHz >75 dB	± 12 MHz >80 dB	± 12 MHz >95 dB
	± 24 MHz >80 dB	± 18 MHz >85 dB	± 18 MHz >95 dB
NB GROUP DELAY VARIATION	<210 ns	<85 ns	<75 ns
NB MAX INPUT POWER RATING**	1.3 kW / 13 dB (crest factor)	1.1 kW / 13 dB (crest factor)	1.0 kW / 11 dB (crest factor)
TEMPERATURE RISE	<3.5 °C / 100 W	<4.0 °C / 100 W	<4.5 °C / 100 W
MASK COMPLIANT	Non critical mask	Non critical mask	Stringent mask

* Data in table is typical data at 656 MHz. To fulfil mask transmitter shoulder level must be >36 dB. The combiner can be tuned for other specifications or bandwidth. Please contact us for a designed specification.
** Max power rating at <50 °C temprice at max frequency.