

DAB/DMB Constant Impedance Combiner

6 kW rms, 6 Pole



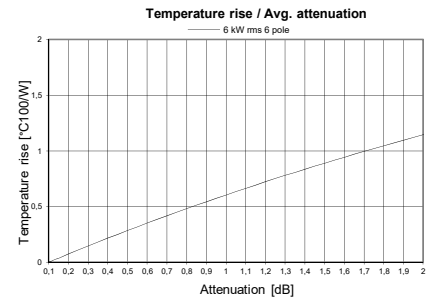
SPECIFICATIONS	200 mm series	OPTIONAL
FREQUENCY	170 - 240 MHz	
BANDWIDTH	1.54 MHz	
ORDER	6 Poles, 2 cross-coupling	6 Poles without cross-coupling
APPLICATION	Adjacent Ch combining	One guard combining
DAB	Critical mask	
IMPEDANCE	50 Ohm	
NB RETURN LOSS (VSWR)	>26 dB (<1.1)	
WB RETURN LOSS (VSWR)	>30 dB (<1.07), 2 specified channels	
MAX OUTPUT POWER RATING*	30 kW rms	
NB INPUT CONNECTOR	3 1/8" unflange	
WB INPUT CONNECTOR	3 1/8" unflange	
OUTPUT CONNECTOR	3 1/8" unflange	
TEMPERATURE STABILITY	< +/-1 kHz / °C	
MAX PRODUCT TEMPERATURE	70 °C	
ENVIORNMENTAL CONDITION	-5 to 70 °C IP40	



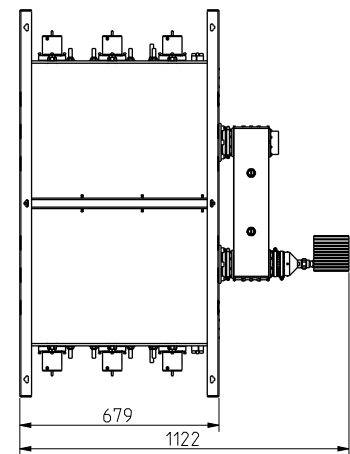
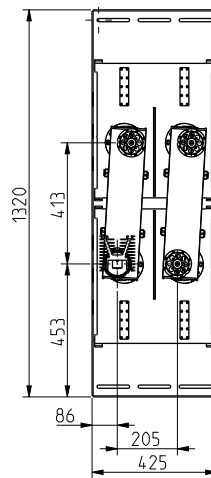
DIMENSIONS AND WEIGHT	OPTIONAL
DIMENSIONS	1122 x 425 x 1320 mm
L x W x H	(44.2 x 16.7 x 52 in)
WEIGHT	120 kg (265 lb)
FRAME	Stand alone 19" rack
COLOUR	Black & Aluminium

ARTICLE: CID6C20A-2PCC333

- CI = Combiner type
- 3 = Frequency band
- 6 = Frequency band
- C = Cavity based
- 20 = Cavity size
- A = Version
- 2 = Number of cross coupling
- P = Coating
- C = Narrowband coupler
- C = Wideband coupler
- 3 = Narrowband connection
- 3 = Wideband connection
- 3 = Output connection



TYPICAL DATA*	DAB
ARTICLE NO	CID6C20A-2PCCxxx
NB INSERTION LOSS	
Avg. signal bandwidth	<0.78 dB
Centre frequency	<0.65 dB
Signal band edge	± 0.77 MHz <1.40 dB
	± 0.97 MHz >15.00 dB
	± 1.75 MHz >45.0 dB
	± 2.2 MHz >45.0 dB
	± 3.0 MHz >45.0 dB
WB INSERTION LOSS	
	± 3.0 MHz <0.10 dB
	± 2.2 MHz <0.20 dB
	± 1.75 MHz <0.30 dB
ISOLATION	
NARROWBAND - WIDEBAND	>36 dB
WIDEBAND - NARROWBAND @	
	± 0.97 MHz >36 dB
	± 1.75 MHz >36 dB
	± 2.2 MHz >50 dB
	± 3.0 MHz >70 dB
NB GROUP DELAY VARIATION	<600 ns
NB MAX INPUT POWER RATING**	6.0 kW / 11 dB (crest factor)
TEMPERATURE RISE	<0.8 °C / 100 W
MASK COMPLIANT	Critical mask



* Data in table is typical data at 205 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. Data are subjected to change without prior notice.