

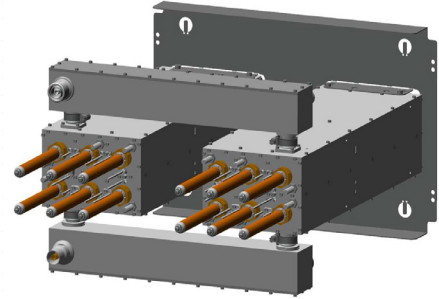
DAB/DMB Constant Impedance Combiner

600 W rms, 6 Pole

BAND III

10 year GUARANTEE

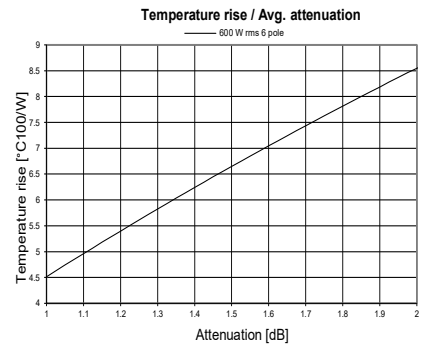
SPECIFICATIONS	50 mm series	OPTIONAL
FREQUENCY	174 - 240 MHz	
BANDWIDTH	1.54 MHz	
ORDER	6 Poles, 2 cross-coupling	
APPLICATION	Adjacent Ch combining	
DAB	Critical mask	
IMPEDANCE	50 Ohm	
NB RETURN LOSS (VSWR)	>26 dB (<1.11)	
WB RETURN LOSS (VSWR)	>30 dB (<1.07), 2 specified channels	
MAX OUTPUT POWER RATING*	4 kW rms	
NB INPUT CONNECTOR	DIN 7/16 female	7/8" unflange, 7/8" flange
WB INPUT CONNECTOR	DIN 7/16 female	7/8" unflange, 7/8" flange
OUTPUT CONNECTOR	DIN 7/16 female	7/8" unflange, 7/8" flange
TEMPERATURE STABILITY	< +/-1 kHz / °C	
MAX PRODUCT TEMPERATURE	70 °C	
ENVIROMENTAL CONDITION	-5 to 70 °C IP40	



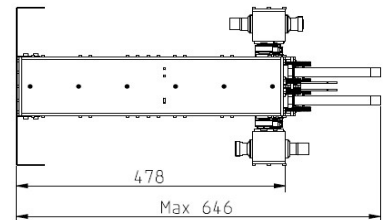
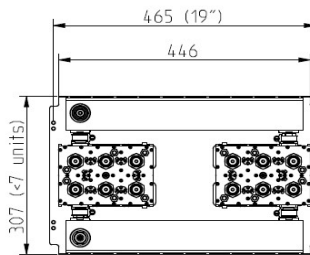
DIMENSIONS AND WEIGHT	OPTIONAL	
DIMENSIONS	646 x 450 x 307 mm	
L x W x H	(25.4 x 17.7 x 12.1 in)	
WEIGHT	24 kg (53 lb)	
FRAME	Stand alone, 19" (7HU)	
COLOUR	Aluminium	Black painted

ARTICLE: CID6C05D-20AA AAA

- CI = Combiner type
 - D = Frequency band
 - 6 = No. of poles
 - C = Cavity based
 - 05 = Cavity size
 - D = Version
 - 2 = Number of cross coupling
 - 0 = Coating
 - A = Narrowband coupler
 - A = Wideband coupler
 - A = Narrowband connection
 - A = Wideband connection
 - A = Output connection
- A= 7/16 female, B= 7/16 male
7= 7/8" unflange



TYPICAL DATA*	DAB	
ARTICLE NO	CID6C05D-20AAxxx	
NB INSERTION LOSS		
Avg. signal bandwidth	< 1.79 dB	
Centre frequency	< 1.50 dB	
Signal band edge	± 0.77 MHz	< 3.10 dB
	± 0.97 MHz	> 12 dB
	± 1.75 MHz	> 45 dB
	± 2.2 MHz	> 45 dB
	± 3.0 MHz	> 45 dB
WB INSERTION LOSS		
	± 3.0 MHz	< 0.20 dB
	± 2.2 MHz	< 0.30 dB
	± 1.75 MHz	< 0.40 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	< 650 ns	
NB MAX INPUT POWER RATING**	600 W / 11 dB (crest factor)	
TEMPERATURE RISE	< 7.8 °C / 100 W	
MASK COMPLIANT	Critical mask (Case1)	



* Data in table is typical data at 205 MHz. To fulfil mask transmitter shoulder level must be >36 dB. The reference spectrum includes shoulder of -36dB@±0.97MHz linearly decreasing to -40dB@±1.75MHz, -44dB@±2.2MHz and 50dB@±3.0MHz. The combiner can be tuned for other specifications or bandwidth. Please contact us for a designed specification.

** Max power rating at <50 °C tempce at max frequency. Data are subjected to change without prior notice.