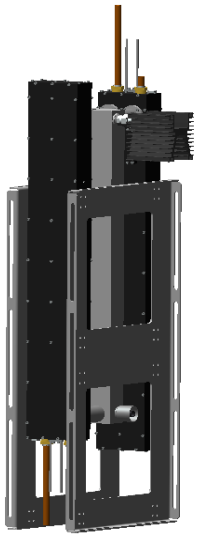
FM Constant Impedance Combiner

2 kW, 2 Pole

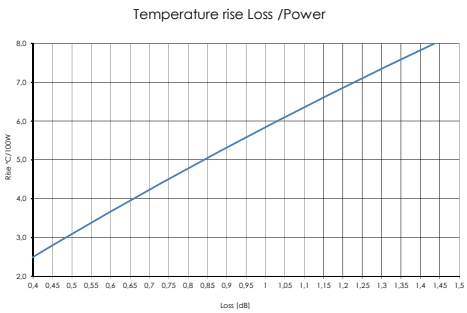
BAND II

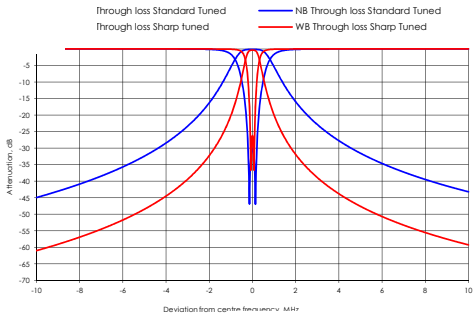
10 year GUARANTEE



SPECIFICATIONS	60 mm Series	Option
FREQUENCY	87 - 108 MHz	
STANDARD ORDER	2 Poles	with temperature compensation
APPLICATION	FM combining & Spurious supress	
IMPEDANCE	50 Ohm	
NB RETURN LOSS (VSWR)	>30 dB (1.07)	
WB RETURN LOSS (VSWR)	>30 dB (1.07)	
MAX OUTPUT POWER RATING**	15 kW rms (1 5/8" output)	
NB INPUT CONNECTOR	1 5/8" unflange	N female/ male, 7/16 female/ male 7/8" unflange/ flange, 1 5/8" flange
WB INPUT CONNECTOR	1 5/8" unflange	N female/ male, 7/16 female/ male 7/8" unflange/ flange, 1 5/8" flange
OUTPUT CONNECTOR	1 5/8" unflange	N female/ male, 7/16 female/ male 7/8" unflange/ flange, 1 5/8" flange
TEMPERATURE STABILITY	≤ 3 kHz / °C (without temp. comp.)	≤ 0.5 kHz / °C (with temp. comp.)
MAX PRODUCT TEMPERATURE	70 °C	
ENVIROMENTAL CONDITION	0 to 70 °C IP40	

DIMENSIONS AND WEIGHT	
DIMENSIONS L x W x H	500 x 220 x 1320 mm (19.7 x 8.7 x 52 in)
WEIGHT	30 kg (66 lb)
STANDARD FRAME	Stand alone
COLOUR	Black and aluminium

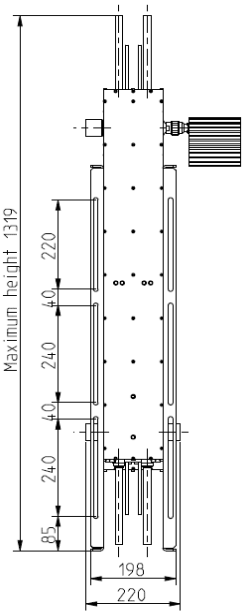


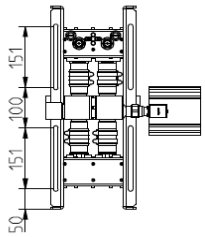


TYPICAL DATA*		STANDARD TUNED	SHARP TUNED
ARTICLE NO		CI22C06x-0PAAxxx	CI22C06x-0PAAxxx
NB INSERTION LOSS			
Centre frequency		<0.45 dB	<1.25 dB
Effective passband @ ± 200 KHz		<0.45 dB	<1.25 dB
	± 150 KHz	<0.45 dB	<1.55 dB
	± 200 KHz	<0.45 dB	<2.05 dB
	± 0.6 MHz	>0.7 dB	>11.0 dB
	± 1.0 MHz	>3.0 dB	>19.0 dB
	± 2.0 MHz	>11.5 dB	>30.0 dB
	± 2.5 MHz	>14.0 dB	>33.0 dB
NB GOUPDELAY VARIATION			
(typical)	± 150 KHz	<10 ns (5 ns)	<90 ns (85 ns)
	± 200 KHz	<15 ns (10 ns)	<105 ns (100 ns)
WB INSERTION LOSS			
	± 0.8 MHz	-	<0.46 dB
	± 1.0 MHz	-	<0.25 dB
	± 1.5 MHz	<0.95 dB	<0.11 dB
	± 2.0 MHz	<0.40 dB	<0.08 dB
	± 3.0 MHz	<0.13 dB	<0.06 dB
ISOLATION			
NARROWBAND - WIDEBAND		>36 dB	>36 dB
WIDEBAND - NARROWBAND @			
	± 1.0 MHz	>39 dB	>55 dB
	± 1.5 MHz	>43 dB	>61 dB
	± 3.0 MHz	>52 dB	>71 dB
NB MAX INPUT POWER RATING**		2.0 KW RMS	700 W RMS

Article structure:
ARTICLE: CI22C06A-0PAA111

CI = Combiner Type
2 = Frequency band
2 = Number of poles
C = Cavity based
06 = Cavity size
A = Version
A = without temp. comp. B = with temp. comp.
0 = Number of cross coupling
0 = without
P = Coating
P = blackpainted
A = Narrowband coupler
A = 60mm
A = Wideband coupler
A = 60mm
1 = Narrowband connection
C= N female, D= N male
A= 7/16 female, B= 7/16 male
7= 7/8" unflange, J= 7/8" flange
1= 1 5/8" unflange, E= 1 5/8" flange
1 = Wideband connection
C= N female, D= N male
A= 7/16 female, B= 7/16 male
7= 7/8" unflange, J= 7/8" flange
1= 1 5/8" unflange, E= 1 5/8" flange
1 = Output connection
C= N female, D= N male
A= 7/16 female, B= 7/16 male
7= 7/8" unflange, J= 7/8" flange
1= 1 5/8" unflange, E= 1 5/8" flange





* Data in table is typical data. at 100 MHz.The combiner can be tuned for other specifications or bandwidth. Please contact us for a designed specification.
** All average power values and technical data refer to an ambient temperature of +20 °C with normal airflow. The product can have a maximum surface temperature of +70 °C. Maximum power capacity may be lower depending on channel allocation. Data are subjected to change without prior notice.

Revision E