



CP10713 / 14
800-1000/1700-2200 MHz
Diplexer
High Power Diplexer
DC transparent

06-07-10

FEATURES

- **To combine CDMA-800/GSM-900 and GSM-1800/GSM-1900/WCDMA Bands to one feeder**
- **Low loss**
- **High power**
- **Low intermodulation**
- **AISG and TMA compatible**
- **Weatherproofed to IP66**



DESCRIPTION

The **CP10713/14** product family from Combilent are high-isolation, dual-band diplexers (or cross band couplers) designed for combining / splitting separate 800/900 MHz and 1800/1900/2100 MHz band signals onto a single RF cable. The units are available with DC transparency to enable use with TMAs and AISG devices.

Designed with high performance and quality as key parameters, the CP10714 will provide long-lasting performance in challenging outdoor environments.

VARIANTS

Part no.	Description
CP10713	DC transparent high frequency input to antenna port
CP10714	DC transparent low and high frequency inputs to antenna port

COMBILENT A/S

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PERFORMANCE CHARACTERISTICS

Specifications are typical and apply across the operating temperature range and frequency band unless otherwise stated.

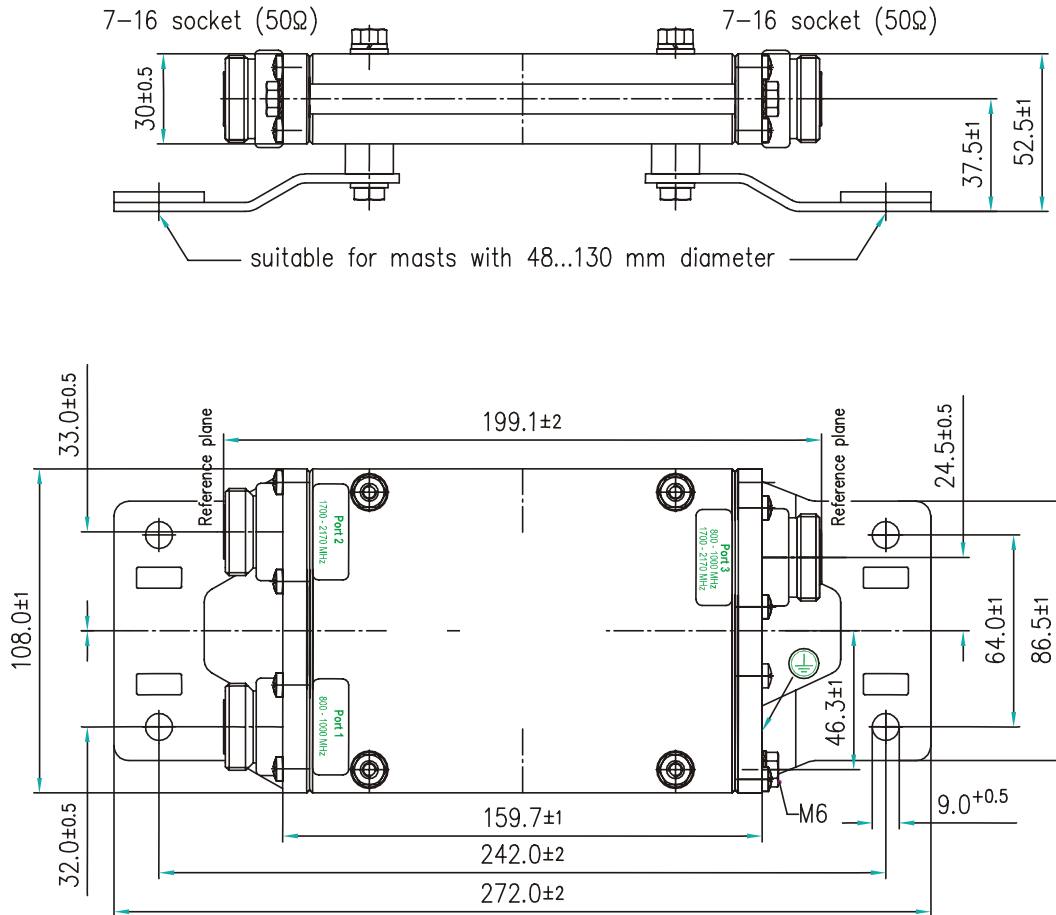
Low frequency input	
Pass band (MHz)	800 – 1000
Insertion Loss (dB)	<0.15
Antenna Port Return Loss (dB)	>20
Channel Port Return Loss (dB)	>20
Attenuation 1700 – 2170 (dB)	>50
Input power (W)	575
Intermodulation (dBm) 2*43 dBm carriers	<-120
High frequency input	
Pass band (MHz)	1700 – 2170
Insertion Loss (dB)	<0.20
Antenna Port Return Loss (dB)	>20
Channel Port Return Loss (dB)	>20
Attenuation 800 – 1000 (dB)	>50
Input power (W)	385
Intermodulation (dBm) 2*43 dBm carriers	<-120
General	
DC current limit (A)	5
Weight (kg)	1.5
Size L * W * D (mm)	200*110*30
Connectors	7-16 female
Temperature range	-40°C to +55°C
Environment	IP65 Outdoor

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DIMENSIONS



modifications reserved