

HUBER+SUHNER® DATA SHEET

Cellular/GSM, PCS-GSM-1800-UMTS Diplexer: 2501.17.0090



Rev.: E

Diplexer / Duplexer

Description

Diplexer for combination and separation of the signals in 698 - 960 MHz and the 1710 - 2170 MHz wireless bands. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. Supports LTE, UMTS / WCDMA, TD-SCDMA, AMPS, GSM, PCS, CDMA.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (GHz)	0.698 - 0.96	1.71 - 2.17
Return Loss (dB)	17	17
Insertion Loss (dB)	0.2	0.3
Isolat. betw. Signal Bands (dB)		
Band1		40
Max. Composite power (W)	20	20
Peak envelope power (W)	3000	3000
Intermodulation distortion (dBc)	140	140
@ 2 x Carrier Power (dBm)	40	40
Port Designation	J1	J2
Connector Type	N	N
Gender	jack (female)	jack (female)
Char. impedance	50 Ω all ports	

Common Port

Port Designation	J3
Connector	N, jack (female)

DC path J1-J3 current rating : 1A

DC path J2-J3 current rating : 1A

Mechanical Data

Dimensions (mm)	34.9 x 80.3 x 115.3 (Height x Width x Length)
Weight	0.56 kg

Environmental Data

Environmental conditions

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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Operation temperature (°C)	-35 to 55
Storage temperature (°C)	-35 to 55
Transport temperature (°C)	-35 to 55
IP rating	IP 64
RoHS 2002/95/EC	compliant
Lead-free soldered	yes

Material Data

Housing Material	Aluminium , , A.00 , 0 ,
Surface treatment	passivated

Related Documents

Mounting instruction	
Painting instruction	
Security instruction	
Outline drawing1	DPR-00171951
3D-model (Step)	DOC-0000369304

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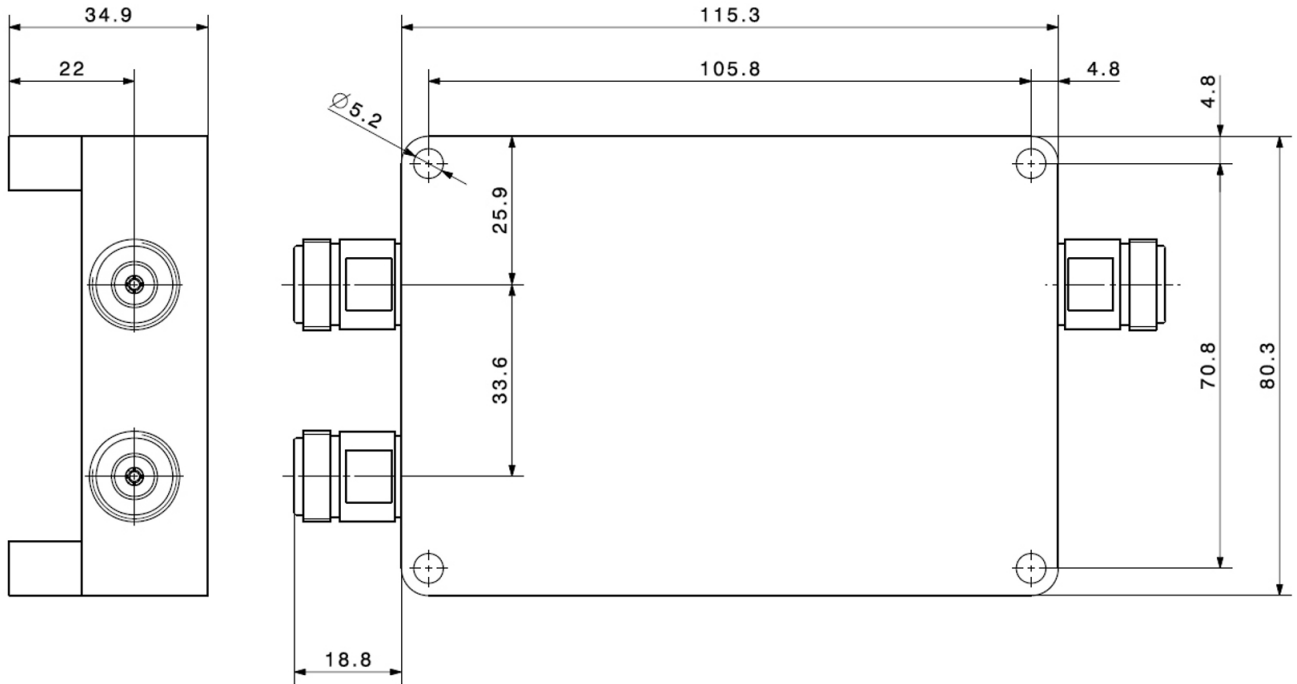
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