



FD1001

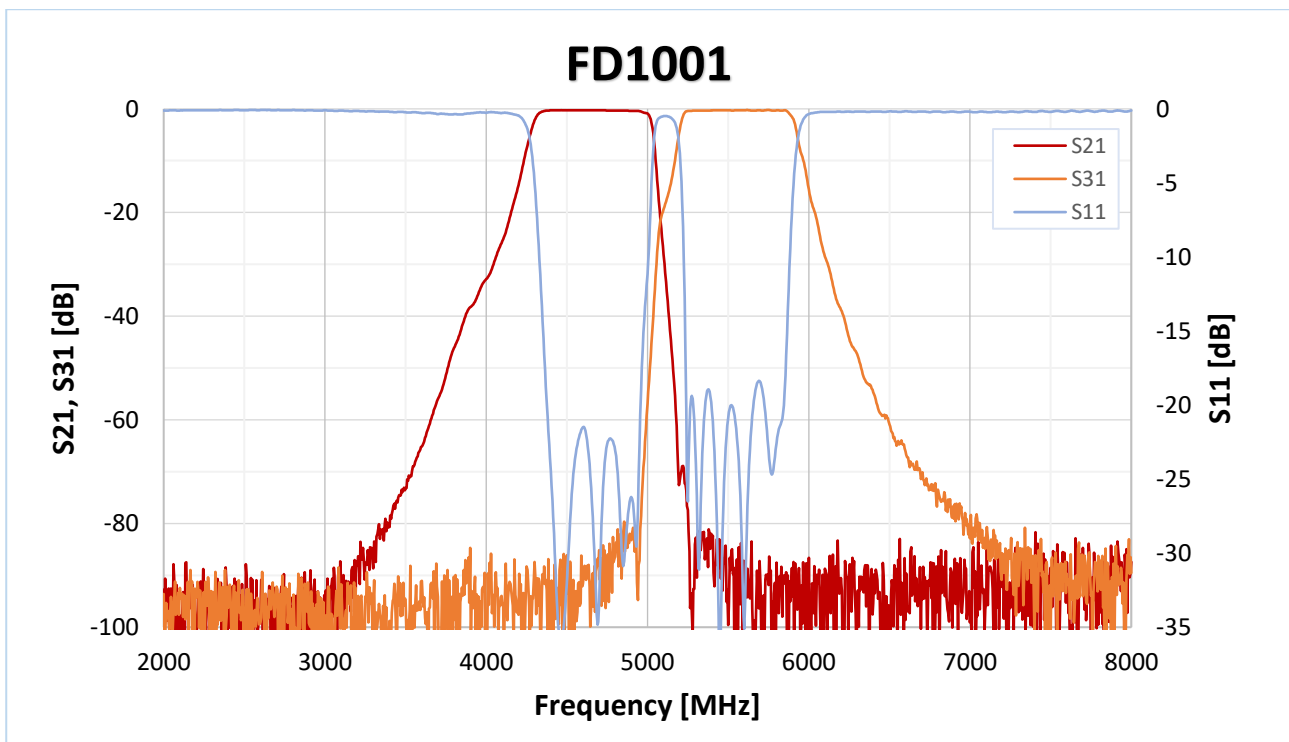
C-BAND DIPLEXER



DESCRIPTION

FD1001 is a Bandpass Diplexer that is designed to address challenging needs of C Band communication requirements in 4 to 6GHz. The unit boasts two low-loss cavity channels which are diplexed with a band gap of 300MHz.

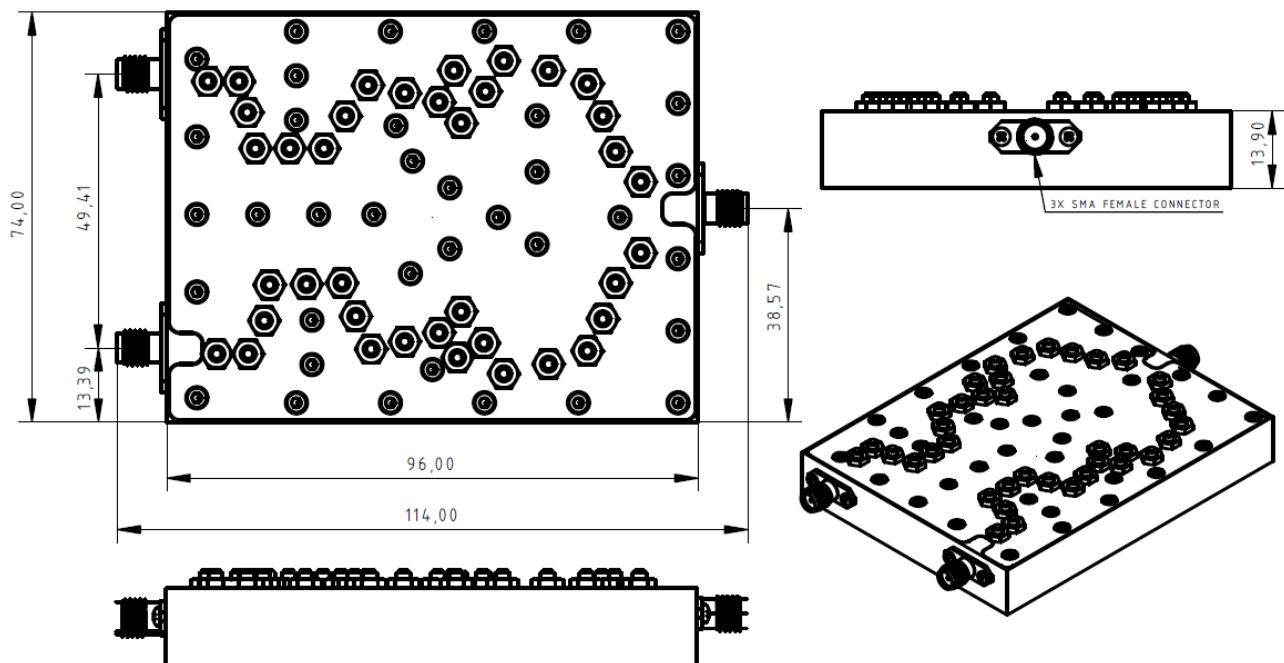
FD1001 is equipped with 3 SMA(F) connectors on the input and diplexed RX and TX channels. The unit can handle RF power up to 20W CW with 1.0 dB max insertion loss on either channel.



SPECIFICATIONS

Parameter	Low Band Limits	High Band Limits
Center Freq	4675 MHz	5550 MHz
Bandwidth	4400 – 4950 MHz	5200 – 5850 MHz
Insetion Loss	1.0 dB max	1.0 dB max
VSWR	1.3:1 max	1.3:1 max
Peak Ripple	0.5 dB	0.5 dB
Attenuation	80 dB min @ DC-2000 MHz 80 dB min @ 5250-11700 MHz	80 dB min @ DC-4400 MHz 80 dB min @ 6500-11700 MHz
Power Handling (Watt)	20 CW max	
IN/OUT Impedance	50 Ohm	
Operational Temp. Range	-45°C - + 85°C	
Connector	SMA (Female) – All Ports	
Finish	Black Painting	
Mechanical Dimensions	72 mm x 53,5 mm x 14,5 mm	

MECHANICAL



Designed and Manufactured in TÜRKİYE

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IMPORTANT

- Specifications subject to change without further notice.
- Data given in this document provides its typical performance. Actual device performance is guaranteed by specifications called out by “customer-specific” part number and the associated acceptance test procedure.
- This product has been developed with the support the program of The Scientific and Technological Research Council of Turkey (TÜBİTAK) (Project No: 3205062) but all the responsibility concerning the product/service belongs to ASARTECH ARGE TASARIM MÜHENDİSLİK A.Ş.¹

¹ Bu ürün TÜBİTAK-TEYDEB Destek Programından yararlanarak geliştirilmiştir. (Proje No: 3205062). Ancak ürün/hizmet ile ilgili tüm sorumluluk ASARTECH ARGE TASARIM MÜHENDİSLİK A.Ş.'ye aittir.