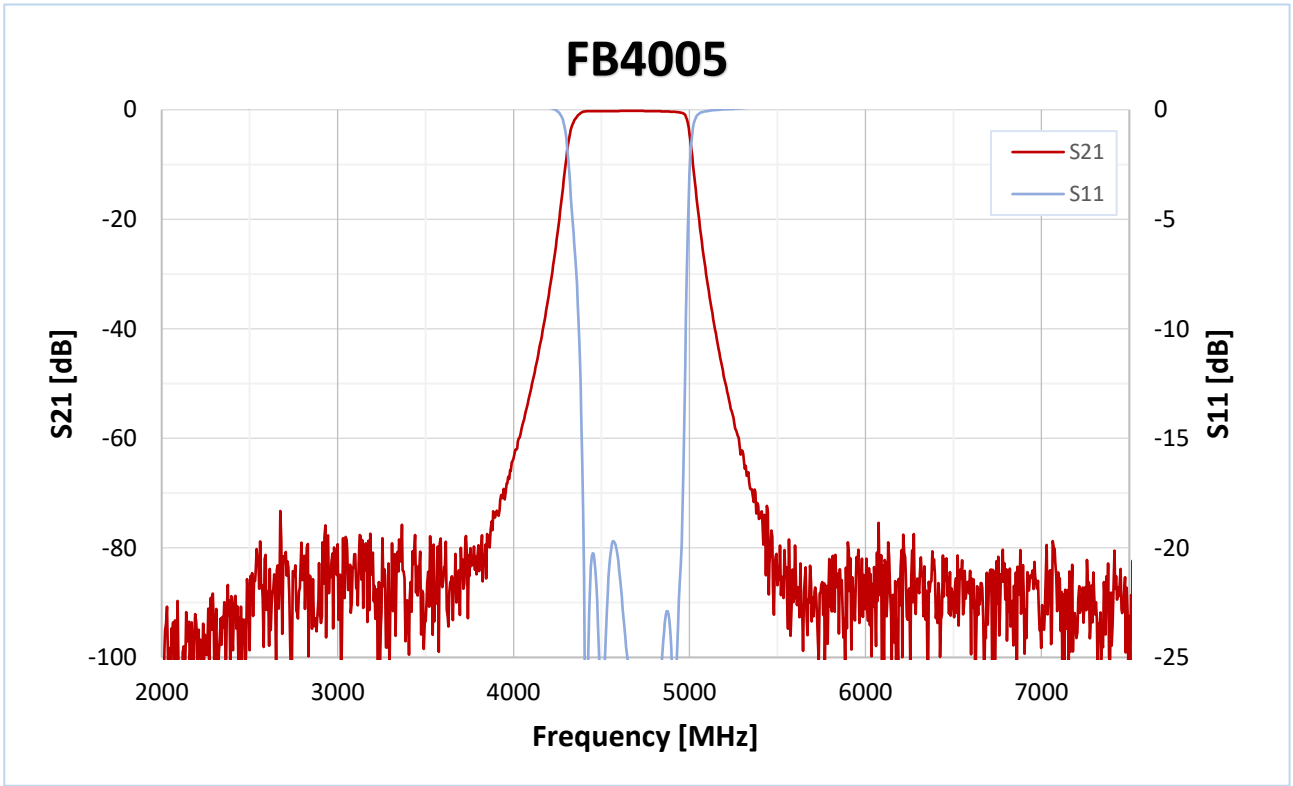
FB4005

C-BAND BANDPASS CAVITY FILTER

DESCRIPTION

FB4005 is a highly selective, low-loss 4675 MHz. bandpass filter. It's a machined cavity filter housed in 72×53.5×14.5 mm. aluminum box.

The input and output connectors are standard SMA (female). The Insertion Loss is 1.0 max. dB. and its Operational Temp. Range is -45 °C – +85 °C. The unit can be used for RX and TX front ends of C-band transceivers and radars.

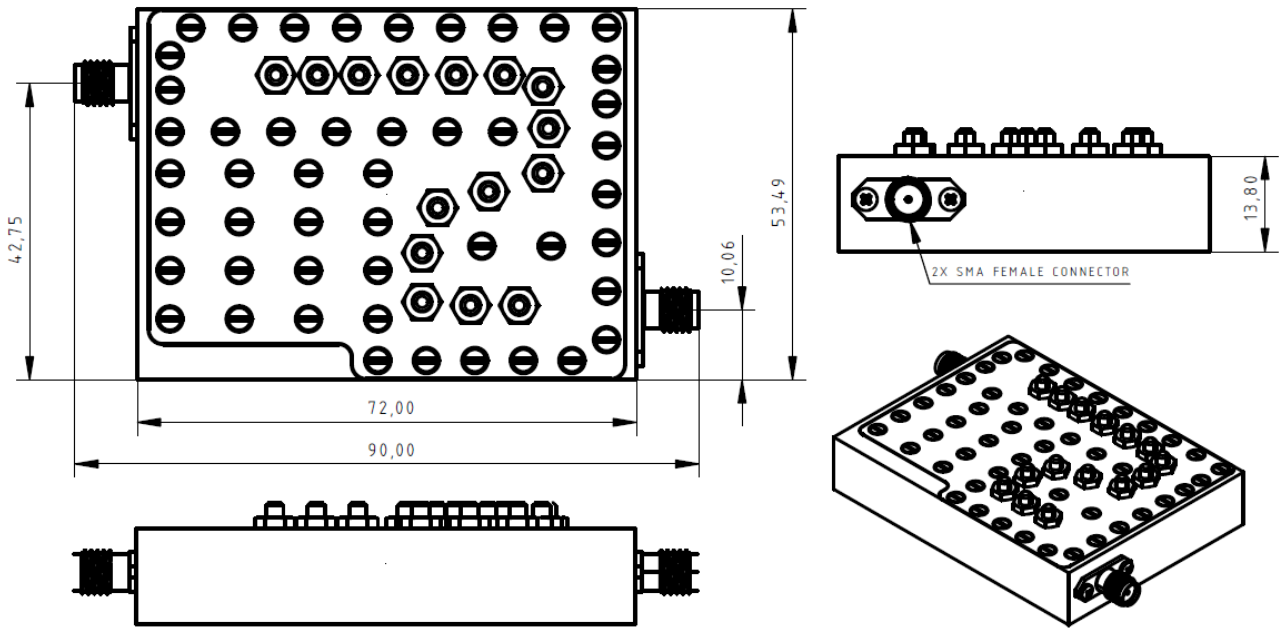


SPECIFICATIONS

Parameter	Limits	
	Frequency Range	Min
Center Frequency	4675 MHz	5550 MHz
Bandwidth	4400-4950 MHz	5250-5850 MHz
Insertion Loss	1.0 dB max.	1.0 dB max.
VSWR	1.3:1 max	1.3:1 max
Attenuation	80 dB min. @ 2000 MHz 70 dB min. @ 5250-5850 MHz 80 dB min. @ 9000 MHz	80 dB min. @ 2000 MHz 70 dB min. @ 4400-4950 MHz 80 dB min. @ 9000 MHz
Isolation between bands	80 dB min. @5250-5850 MHz	80 dB min. @4440-4950 MHz
Power Handling	20 Watt CW max.	
IN/OUT Impedance	50 Ohm	
Operational Temp. Range	-45°C - + 85°C	
Connector	SMA (Female) – All Ports	
Finish	Black Painting	
Mechanical Dimensions	96 x 74 x 14.5 mm	

Other specifications available upon request.

MECHANICAL



Designed and Manufactured in TÜRKİYE

ASARTECH ARGE TASARIM MÜHENDİSLİK A.Ş.
Sanayi Mahallesi, Teknopark Bulvarı, Teknopark İstanbul 1/1A Blok Zemin Kat No:215-216-217, 34906 Pendik, İSTANBUL/TURKİYE
Phone: 0(216) 514 57 97 Fax:0 (216) 514 57 97

Üniversiteler Mahallesi, 1596. Cadde Hacettepe Teknokent 4. ARGE Binası 95A Kat:3 No:50, 06800 Beytepe Çankaya ANKARA/TÜRKİYE Phone: 0(312) 227 00 37

www.asartech.com.tr
info@asartech.com.tr

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 (TÜBTAK) (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.