

# FB1005

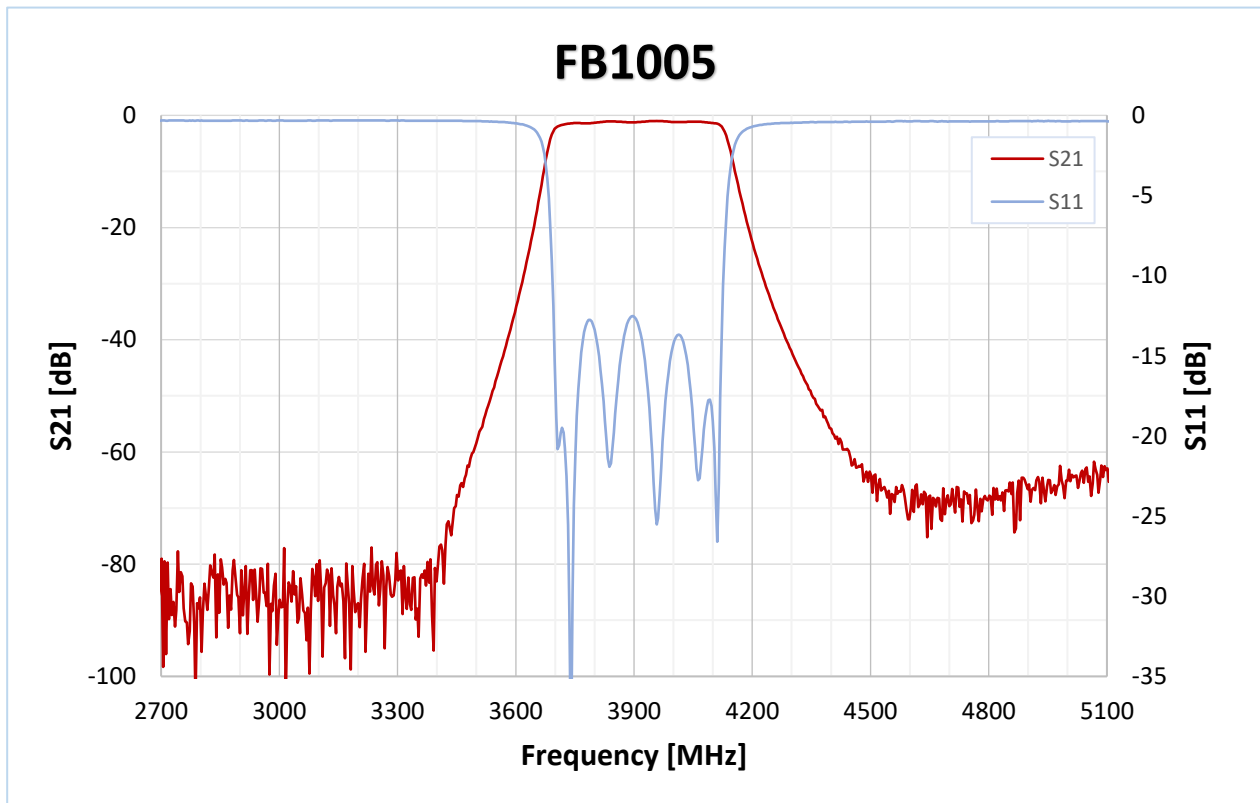


## S BAND CERAMIC FILTER



### DESCRIPTION

FB1005<sup>1</sup> is an ultra-miniature bandpass filter in SMD form with sharp roll off and low passband insertion loss. It is suitable for dense PCB applications thanks to its compact size.

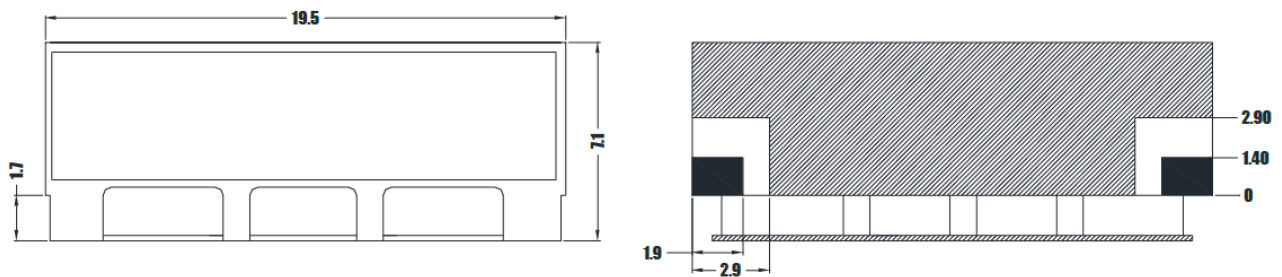


<sup>1</sup> This product has been developed with the support the program of The Scientific and Technological Research Council of Turkey (TÜBTAk) (Project No: 3205062) but all the responsibility concerning the product/service belongs to ASARTECH ARGE TASARIM MÜHENDİSLİK A.Ş.

## SPECIFICATIONS

| Parameter                      | Limits  |
|--------------------------------|---|
| <b>Filter Type</b>             | PCB filter with soldered TIN (covered with proper material for environmental conditions) type box |
| <b>Mounting</b>                | Input, Output Pads -Soldered  |
| <b>Passband</b>                | 3800-4100 MHz   |
| <b>Max Loss in Passband</b>    | 2 dB  |
| <b>Stopband</b>                | <3350 MHz & >4750 MHz   |
| <b>Min Loss in Stopband</b>    | 60 dB   |
| <b>Input/Output Impedance</b>  | 50 ohm  |
| <b>S11/S12</b>                 | < -12 dB  |
| <b>Mechanical Dimensions</b>   | 19.5 x 7.1 x 4.42 mm  |
| <b>Operational Temperature</b> | -45°C + - 85°C  |

## 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](http://www.asartech.com.tr)  
[info@asartech.com.tr](mailto: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.
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<sup>2</sup> 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.