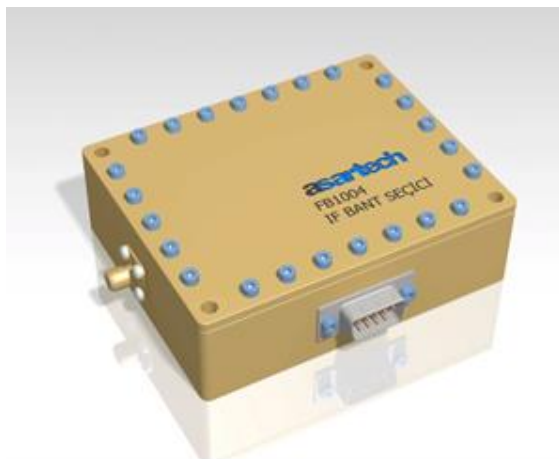




# FB1004

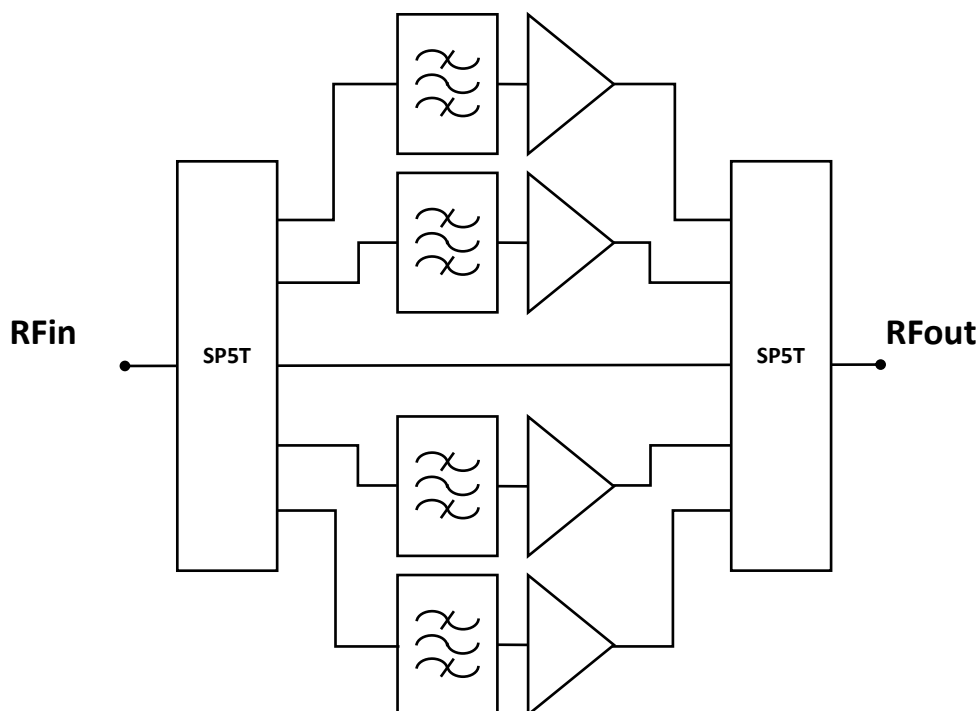
## IF FILTER BANK



### DESCRIPTION

FB1004 is an IF filter bank suitable in front of high-speed ADCs in receiver chains. The filter channels are centered around 240MHz and selected by TTL inputs. The unit incorporates highly selective SAW filters with bandwidths of 0.3MHz, 5MHz, 10MHz and 20MHz. The filter bank also includes a selectable bypass RF through path.

On SAW filter channels, adequate gain blocks were included to compensate the SAW filter losses. The overall gain is  $0\text{dB} \pm 1\text{dB}$  for those channels.



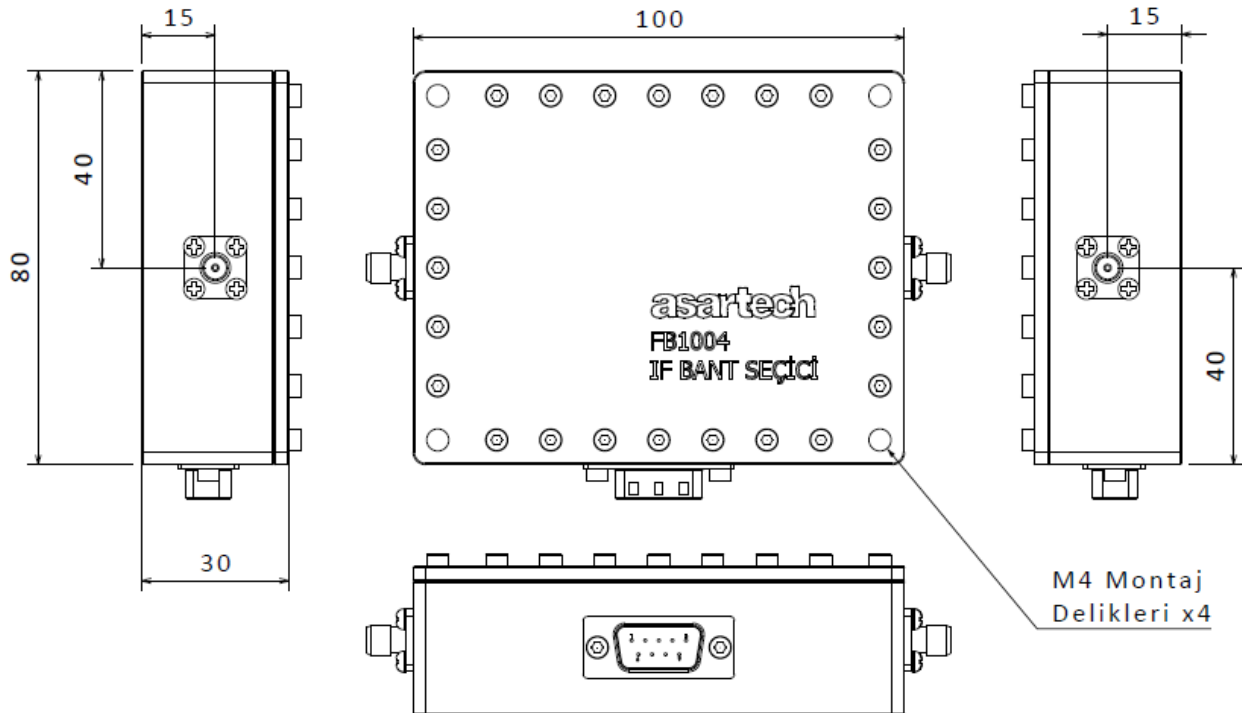
## SPECIFICATIONS

Parameter	Limits
Passband Center (Fo)	240MHz
Passband Width (BW)	5 selectable channels: 0.3MHz, 5MHz, 10MHz, 20MHz, Through path
Signal Gain	0dB $\pm$ 1dB typ for filter paths, -2dB typ for through path
Return Loss	20dB max
Stopband Attenuation	30dB min @ Fo-BW 30dB min @ Fo+BW
Power Handling	15dBm typ
Operational Temp Range	5°C to 65°C
Storage Temp Range	0°C to 125°C
RF Input Power	20dBm max

Note-1: Other specifications available upon request.

Note-2: It is assumed that the device will sit within a rack unit inside a conditioned cabinet. Consult factory for conditions otherwise.

## 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.