



Eyal Microwave Ltd.

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## 4 CHANNELS

### TRANSMIT FILTER CUSTOM MADE

#### S band to C band

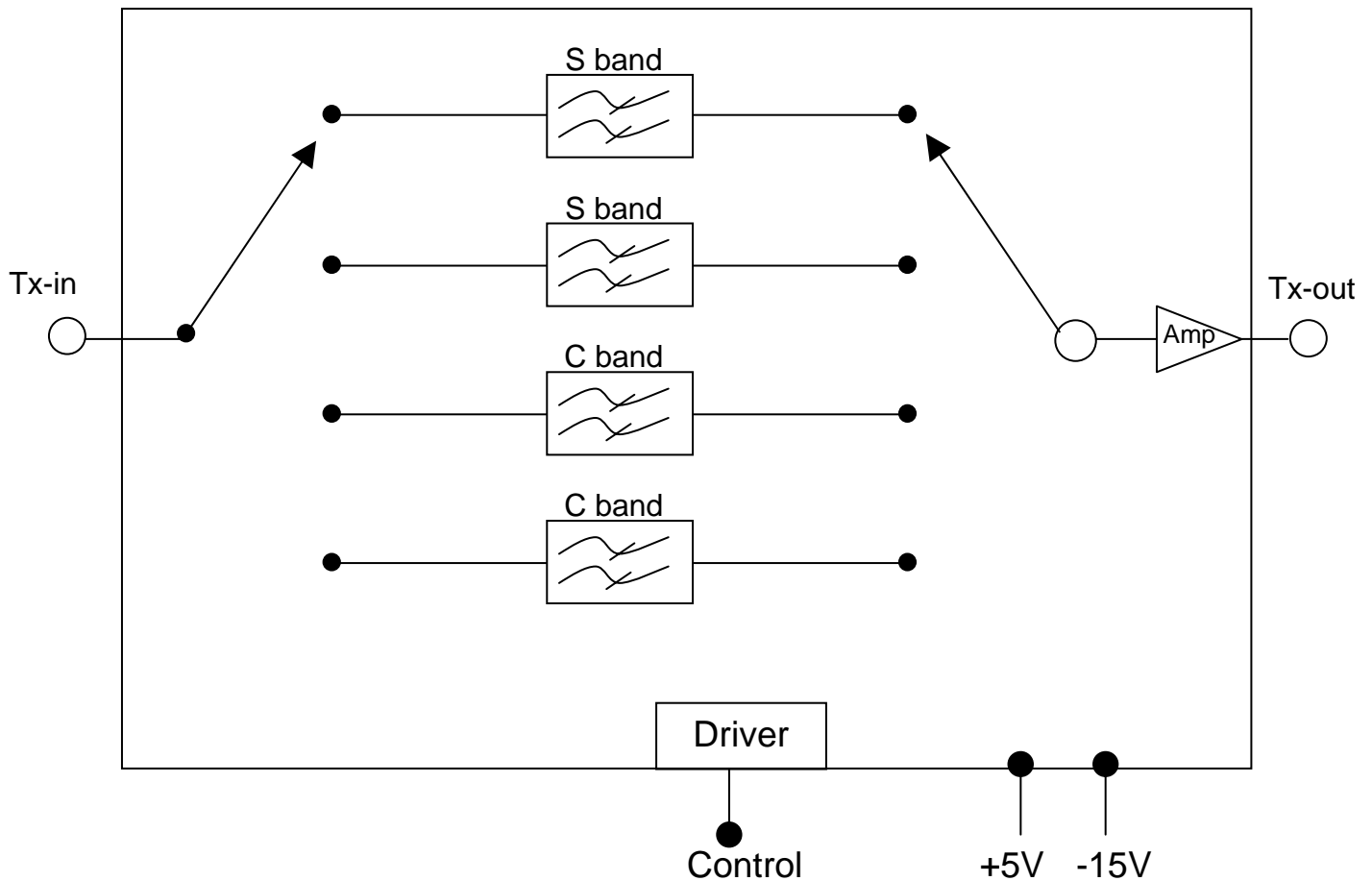
#### MODEL: SBF-2631-00

GENERAL DESCRIPTION: The Transmit Filter forms part of the airborne Data Link. It used for filtering the LO leakage generated in last converting section.

RF INPUT DESCRIPTION: RF Inputs form the UDM at frequency range of S & C band.

RF OUTPUTS DESCRIPTION: RF Outputs to that drives the Power Amplifier (PA) after filtering at S & C band.

### Block Diagram





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## SPECIFICATION FOR 4 CHANNEL BANK FILTERS

- Frequency range: ..... 4.4÷5.8 GHz
- Pass Band Gain: ..... 4dB ±2dB
- Output Power @ 1dB GCP: ..... 14dB min
- In Band Spurious Suppression: ..... 60dBc min
- V.S.W.R @ pass band: ..... 1.6:1
- Switching speed : ..... 1µSec
- Control: ..... 2 bit TTL line
- Supply Voltage: ..... +5.0v / 200mA ; -15.0v /50mA

CHANNEL	Pass band	Rejection band @ 20 dB
1	4.4÷4.6 GHz	5.0 GHz ÷ 6.0 GHz
2	4.7÷5.0 GHz	5.4 GHz ÷ 6.2 GHz
3	5.2÷5.4 GHz	3.9 GHz ÷ 4.8 GHz
4	5.5÷5.8 GHz	4.2 GHz ÷ 5.1 GHz

### GENERAL

1. Size: (mm) ..... 60X45X15
2. Connectors: ..... SMA (female)
3. Operating temperature rang: ..... -40°C ÷ +75°C
4. Storage temperature rang: ..... -60°C ÷ +120°C