

RF Filters

- Filters with fixed characteristics
- Manually / digitally tunable filters
- Filter banks



Telemeter Electronic

Thermal Management

Industrial Components

Test and Measurement

RF & Microwaves

Aviation

Engineering & Service



...we provide solutions!

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NEW FILTERS FROM TELEMETER ELECTRONIC



Providing our customers exactly the right solution for their application is an important task for us since many years.

Thus we have now expanded the range of Telemeter branded products following the very successful market launch of our electromechanical RF relay with a broad range of filter solutions.

You will surely recognize these new filters in many demanding applications using the new brand name "TElePur".

From our broad range of filters, we provide the right solutions for radar applications, broadcasting, military applications or mobile communication:

- High, low, bandpass and band-stop filter up to 40 GHz
- Switchable filter banks and fixed filter banks
- Tunable filters
- Power filter
- Duplexer, triplexer and multiplexer

All filters are subject to our strict 100% quality control.

We provide our filters with short delivery times and attractive pricing. We are also happy to develop customized products for your application. In a market comparison, we provide these also for individual single pieces or comparatively small quantities.

FILTERS WITH FIXED CHARACTERISTICS



High pass

- Various cut-off frequencies (3 dB) from 2 MHz to 18 GHz
- Chebyshev filter structure
- Impedance: 50 Ω
- Max. Power: 1 W - 2 kW
- Connectors: N, BNC, TNC, SMA, 7/16, 4.3-10, Cable, PCB



Low pass

- Various cut-off frequencies (3 dB) from 2 MHz to 20 GHz
- Chebyshev filter structure
- Impedance: 50 Ω
- Max. Power: 1 W - 2 kW
- Connectors: N, BNC, TNC, SMA, 7/16, 4.3-10, Cable, PCB



Bandpass

- Various frequency ranges from 2 MHz to 31 GHz
- 2- to 17-stage filters based on Chebyshev filter structure
- Impedance: 50 Ω
- Max. Power: 1 W – 2 kW
- Connectors: N, BNC, TNC, SMA, 7/16, 4.3-10, Cable, PCB



Band-stop

- Various frequency ranges from 2 MHz to 10 GHz
- 2- to 6-stage filters based on Chebyshev filter structure
- Impedance: 50 Ω
- Max. Power: 1 W – 2 kW
- Connectors: N, BNC, TNC, SMA, 7/16, 4.3-10, Cable, PCB



Duplexer and Diplexer

- Various cut-off frequencies (3 dB) from 2 MHz to 20 GHz
- Chebyshev filter structure
- Impedance: 50 Ω
- Max. Power: 1 W – 2 kW
- Connectors: N, BNC, TNC, SMA, 7/16, 4.3-10, Cable, PCB



Multiplexer and Multiband Combiner

- Various cut-off frequencies (3 dB) from 2 MHz to 20 GHz
- Chebyshev filter structure
- Impedance: 50 Ω
- Max. Power: 1 W – 2 kW
- Connectors: N, BNC, TNC, SMA, 7/16, 4.3-10, Cable, PCB

MANUALLY TUNABLE FILTERS



Bandpass

- Various frequency ranges from 24 MHz to 3000 MHz
- 5-stage filters based on Chebyshev filter structure
- Impedance: 50 Ω
- Max. Power: 50 W
- Connectors: N, BNC, TNC, SMA, 7/16, 4.3-10, Cable, PCB

Band-stop

- Various frequency ranges from 30 MHz to 2000 MHz
- 3-stage filter structure
- Attenuation: > 45 dB typ.
- Impedance: 50 Ω
- Max. Power: 50 W
- Connectors: N, BNC, TNC, SMA, 7/16, 4.3-10, Cable, PCB



Bandpass

- Various frequency ranges from 30 MHz to 2600 MHz
- 5-stage filters based on Chebyshev filter structure
- Digitally tunable via various interfaces such as GPIB (IEEE-488), RS232, RS422 or BCD
- Control voltage: 12 V DC, 24 V DC or 110 V AC
- Impedance: 50 Ω
- Max. Power: 50 W
- Connectors: N, SMA, TNC, BNC
- Special filters for VHF and UHF also available

Band-stop

- Various frequency ranges from 30 MHz to 2000 MHz
- 3-stage filter structure
- Attenuation: > 45 dB typ.
- Digitally tunable via various interfaces such as GPIB (IEEE-488), RS232, RS422 or BCD
- Control voltage: 12 V DC, 24 V DC or 110 V AC
- Impedance: 50 Ω
- Max. Power: 50 W
- Connectors: N, SMA, TNC, BNC
- Special filters for Cellular, PCS and UMTS also available

FILTER BANKS



Filter Banks

- Frequency ranges from 2 MHz to 31 GHz
- Bandwidth customizable
- Up to 16 filters
- Possible filter topologies:
 - Bandpass
 - Band-stop
 - High pass
 - Low pass
 - Diplexer
 - Multiplexer
- Tunable via TTL, RS232, USB or TCP/IP
- Various connector types such as Type N, SMA, etc.
- Special designs on customer request available

REQUEST A QUOTATION

Name

Application

Company

Address

Notes

Phone

Technical Data:

Frequency range

Max. Power handling

Impedance (Ω)

Connector type SMA BNC TNC N Cable PCB Other

Quantity

... ADDITIONAL INFORMATION

For Bandpass / Band stop:

Bandpass Band stop

Bandwith

Cut-off frequencies

For manually tunable filters:

Bandpass Band stop

Bandwith

Cut-off frequencies

For high pass / Low pass:

High pass Low pass

Cut-off frequency

Steepness

For filter banks:

Total number of filters

Filters with cutoff frequency / Bandwith

Digital interface TTL RS-232 TCP/IP Other

For digitally tunable filters:

Bandpass Band stop

Bandwith

Cut-off frequencies

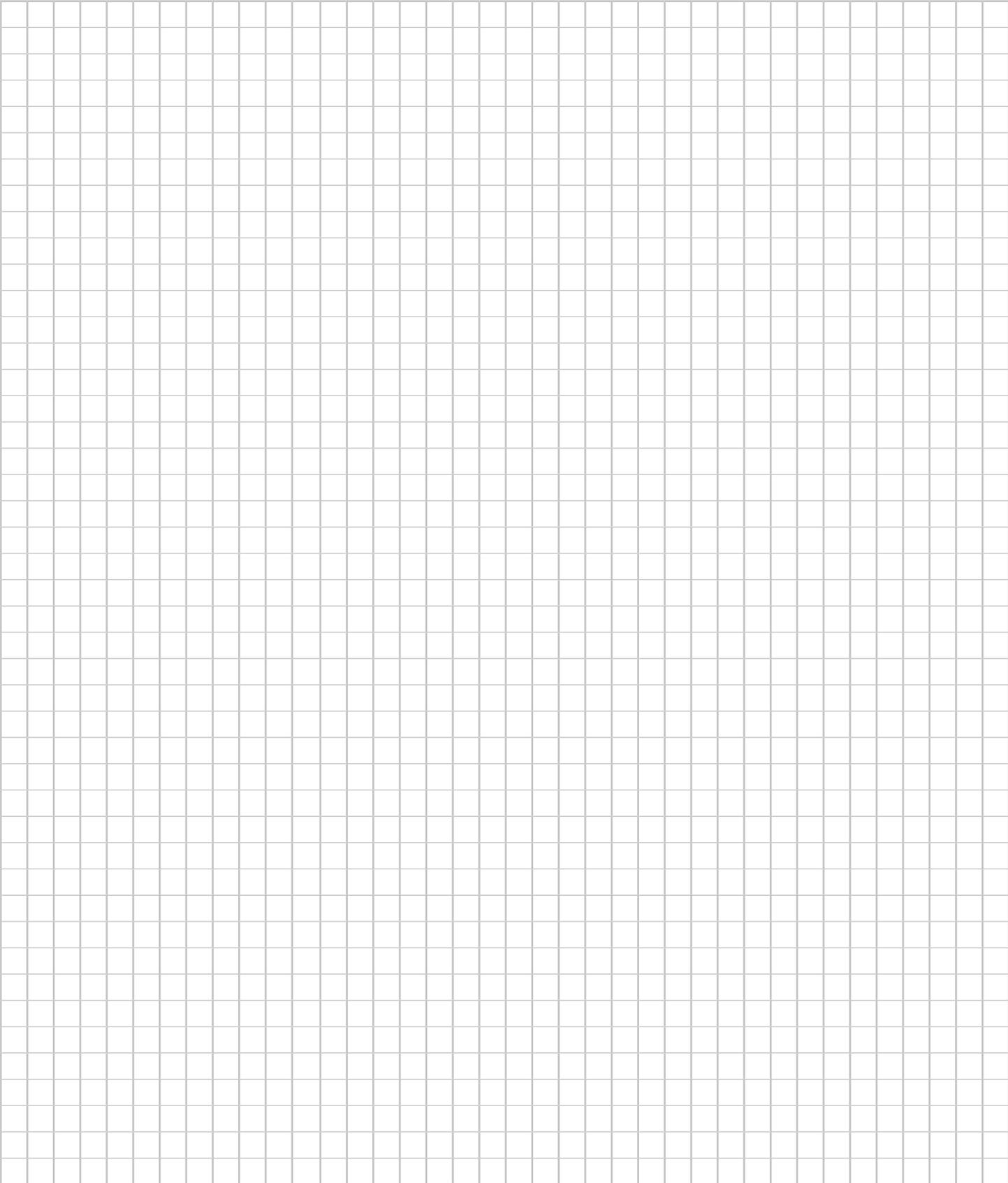
Switching time

Digital interface IEEE-488 RS-232 RS-422 BCD

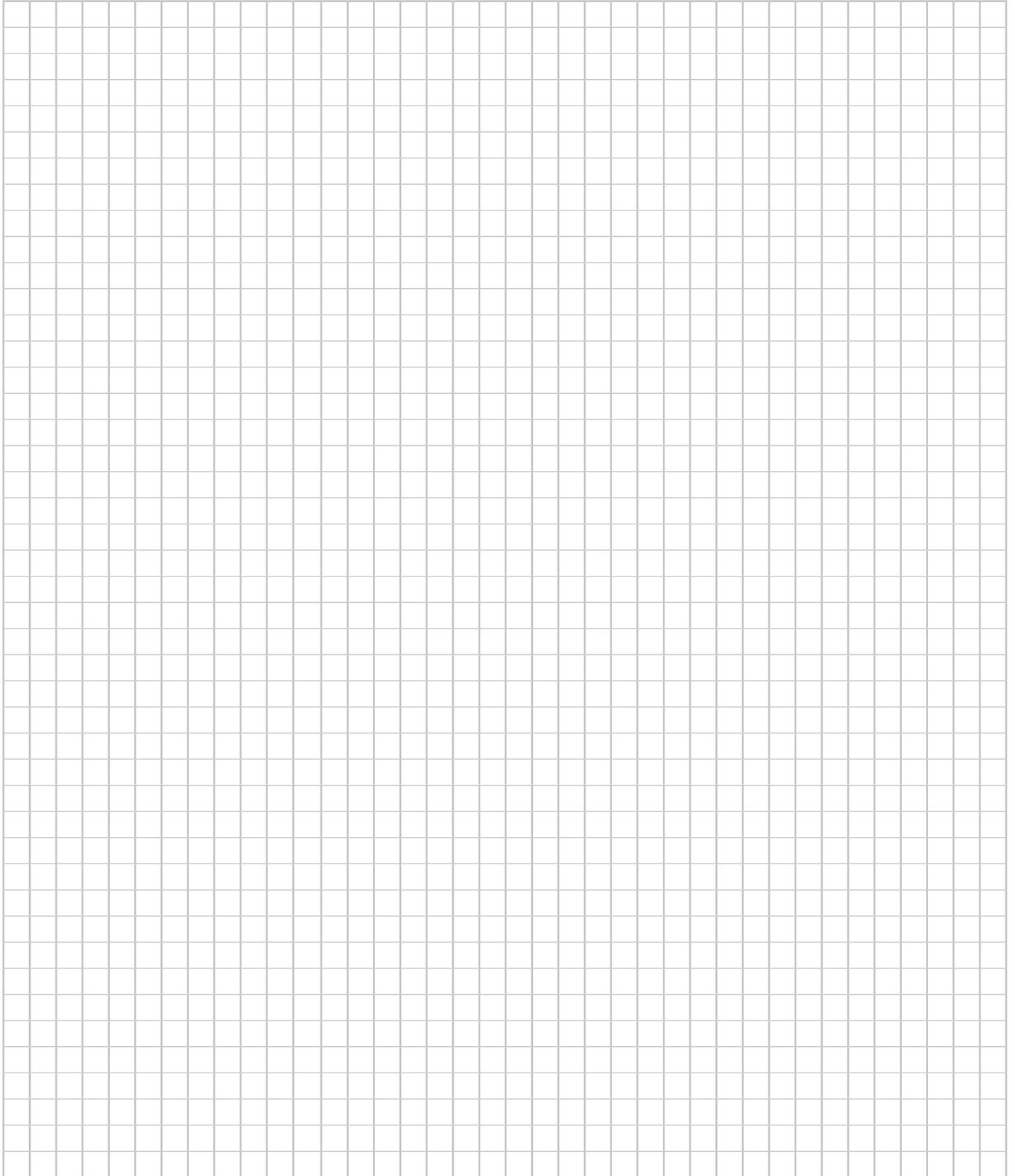
Other

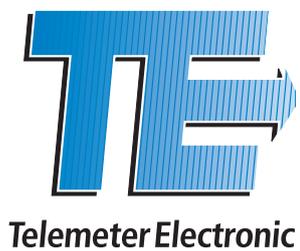
Power supply 12 V DC 24 V DC 110 V AC

NOTES OR DRAWINGS



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