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### Further information

Do not hesitate and order our free brochures and catalogues in German or English today. In our catalogue for mechanical parts you will find a large selection of standard enclosures mostly ex stock and deliverable at short notice. Please visit our website to get an overview about our product range.

Further  
information

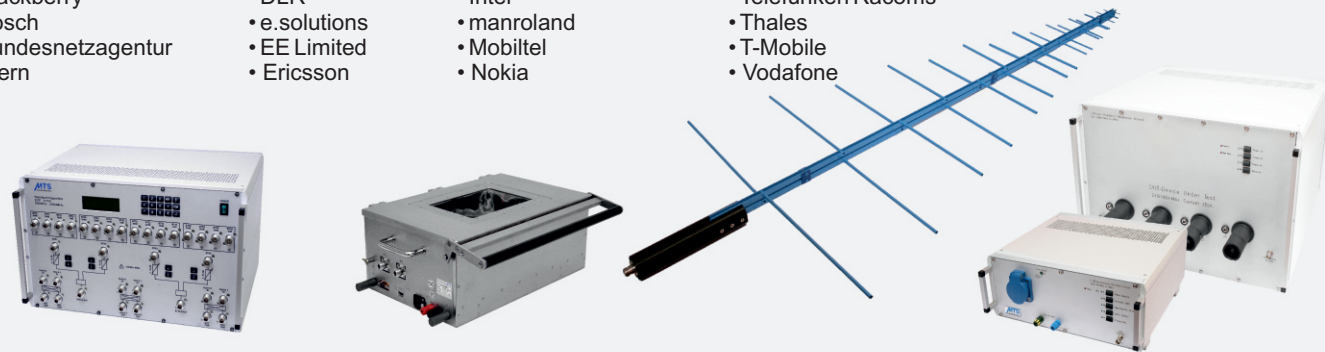


### References

Today notable companies of the electronic industry all over Europe belong to our customers:

- Airbus
- Alcatel-Lucent
- Apple
- Atos
- Audi
- Blackberry
- Bosch
- Bundesnetzagentur
- Cern
- Continental
- Daimler
- DB Systel
- Deutsche Telekom
- Diehl
- DLR
- e.solutions
- EE Limited
- Ericsson
- Focus Infocom
- Funkwerk
- Gemalto
- Harman Becker
- Infineon
- Intel
- manroland
- Mobilitel
- Nokia
- NVIDIA
- Orange
- Rohde & Schwarz
- Siemens
- Telefonica
- Telefunken Racoms
- Thales
- T-Mobile
- Vodafone

References



### The company MTS would like to introduce itself:

The MTS Systemtechnik GmbH is a flexible and middle-sized company, which has been founded in 1980 as a development and production company. Since then the MTS's special field is the distribution and modification of RF-signals. Nowadays we manufacture products and systems for the mobile radio, laboratory, satellite communication and video respectively audio field. Following you can find our product range in extracts:

#### Devices & Systems

- Coupling units
- Air field emulations series AIAD
- Shielding boxes series MSB
- Antenna / Signal distribution units
- Remote controlled switching units
- Filter units
- Ventilation units
- Matrices

#### Components

- Coaxial relays
- Multi channel switches
- Videorelays
- Feedthrough terminations
- DC-blocks
- Fixed attenuators
- Terminations
- Semiconductor -switches & - attenuators
- Coaxial short circuits, bias tees
- Power attenuators and power terminations

- Signal dividers, power splitters, combiners and directional couplers
- Programmable step attenuators
- Coaxial cable assemblies
- Impedance matching modules
- PC controlled components
- Amplifiers

#### Mechanical Modules

- RF shielded enclosures
- Structural enclosures
- Customer specified enclosures
- Milled components
- Milled cassettes
- Cassette enclosures
- 19"-racks

#### Data Technology

- Controller cards and accessories for operators in electronic
- Development of firm- and software according to customer's wishes

#### EMC / Antenna Technology

- LISN - Line Impedance Stabilisation Network
- EMC Components
- Antennas and accessories
- Wireless LAN Sets

#### Services

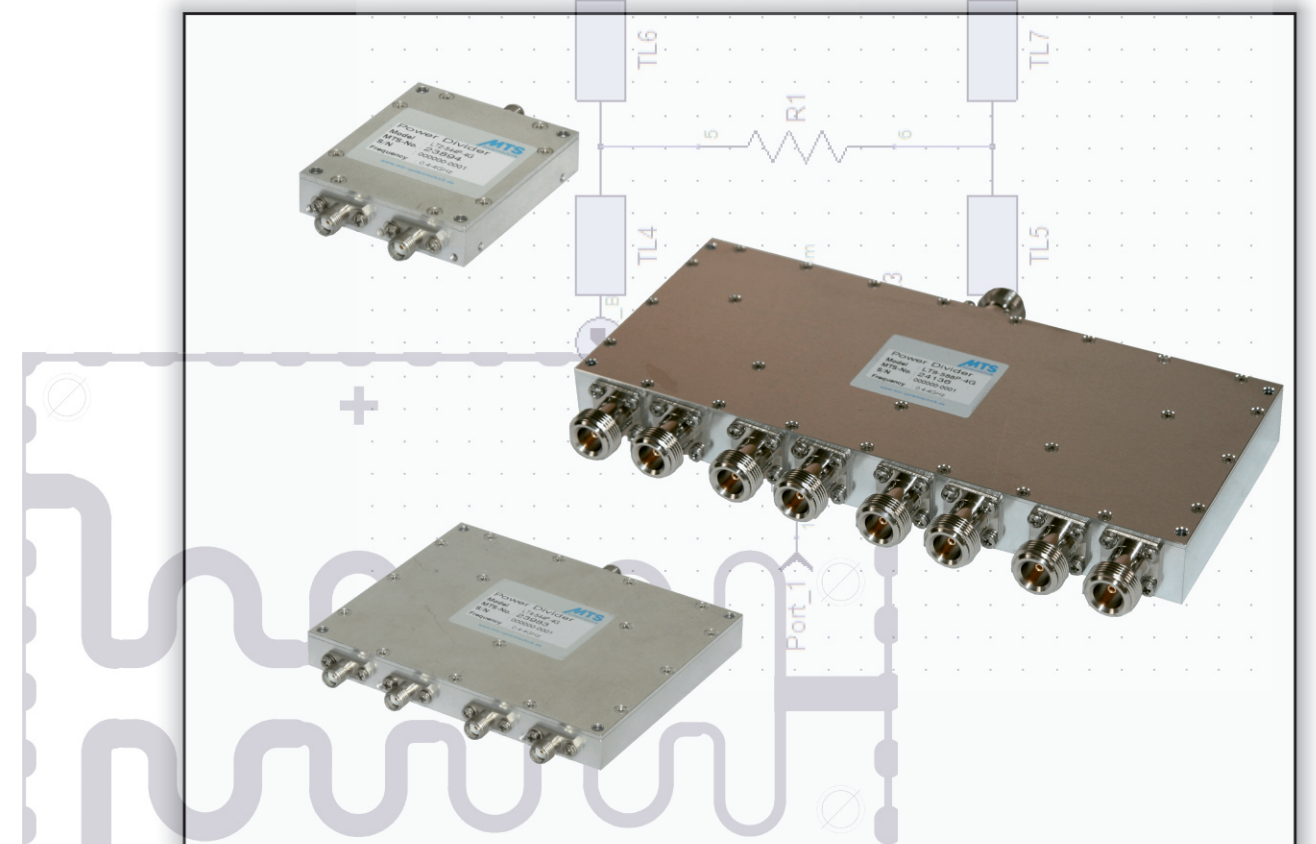
- CAD development and customer specified CNC milled modules
- Mounting of components to and testing of RF printed circuit boards
- Engineering service
- Programming service

#### Distribution for IMS Connector Systems GmbH

- Coaxial connectors
- Terminations
- Coaxial adapters
- Coaxial cable assemblies

Product  
overview

# Power Dividers Series LT



Series LT

The symmetrical power dividers series LT are developed to operate in the frequency range of 400 MHz to 4 GHz. Therefore these well cascadable splitters are useable for telecom applications (e.g. GSM, DECT, UMTS, Bluetooth and all LTE frequency bands up to 4 GHz) as well as in the satellite communications (L-Band) and are manufactured for the LTE range especially. All multi-section dividers of the series LT are passive Wilkinson power dividers and can also be used as combiners.

- Usable as divider or combiner
  - Low insertion loss
  - Exceptional amplitude and phase balances
- Excellent VSWR
  - High isolation

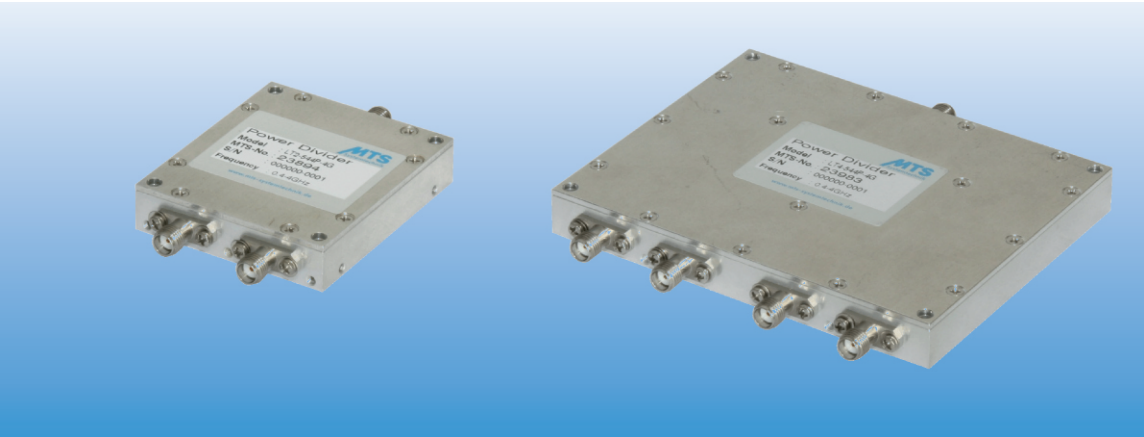
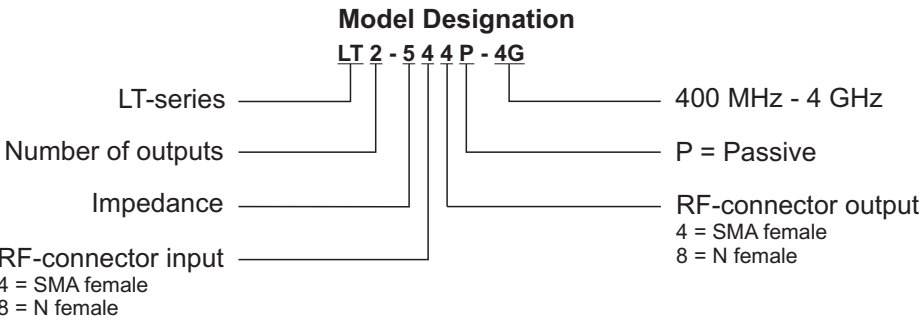


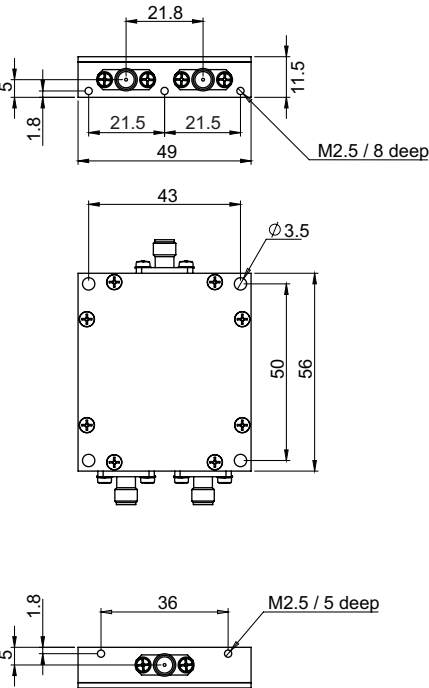
Illustration:  
LT2-544P-4G,  
LT4-544P-4G

Technical Data (guaranteed values at +25 °C)

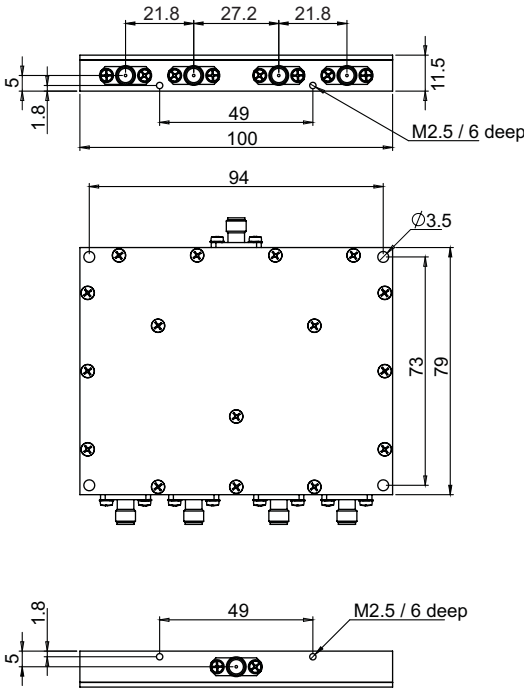
Frequency range	400 MHz – 4 GHz		
VSWR in / out	SMA connectors		
@ 700 - 3600 MHz	2-way	1.1 : 1 avg. / 1.25 : 1 max.	N connectors
	4-way	1.15 : 1 avg. / 1.35 : 1 max.	1.15 : 1 avg. / 1.3 : 1 max.
	8-way	1.2 : 1 avg. / 1.45 : 1 max.	1.2 : 1 avg. / 1.4 : 1 max.
Insertion loss	2-way	0.6 dB typ. / 0.8 dB max. (+ 3 dB)	1.25 : 1 avg. / 1.5 : 1 max.
	4-way	1.25 dB typ. / 1.5 dB max. (+ 6 dB)	
	8-way	2.0 dB typ. / 2.3 dB max. (+ 9 dB)	
Isolation	2-way	26 dB typ. / 22 dB min.	
	4-way	25 dB typ. / 21 dB min.	
	8-way	24 dB typ. / 20 dB min.	
Impedance	50 Ω		
RF-connectors	SMA female, N female		
Temperature range	-40 °C to +85 °C		
Max. RF-power	Splitter: 10 W max.		
	Combiner: 1 W max. each port		



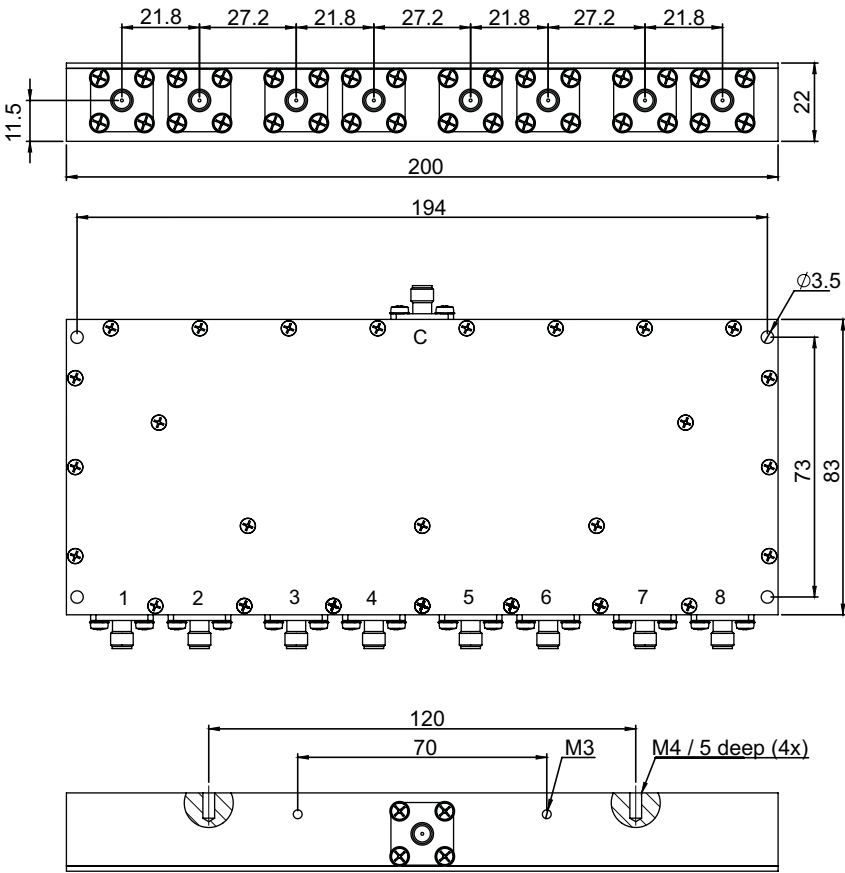
LT2-544P-4G



LT4-544P-4G



LT8-544P-4G



All dimensions in mm