



ERICSSON

Ericsson Antenna Technology Germany GmbH • Klepperstraße 26 • 83026 Rosenheim • Germany

Kathrein Mobile Communication – now part of Ericsson

Ericsson Antenna Technology
Germany GmbH
Klepperstraße 26
83026 Rosenheim
Germany

Phone: +49 8031 184-0
Fax: +49 8031 184-306
www.kathrein.com

Company Responsible:
Markus Feld

VAT Reg. No.: DE 324 954 029
Tax ID No.: 103/5725/3930

BNP Paribas
IBAN: NL05 BNPA 0227 7141 56
BIC: BNPANL2AXXX

Zum 1. Oktober 2019 ist die Kathrein Mobile Communication die Ericsson Antenna Technology Germany GmbH (im Folgenden auch „EAG“), eine mit Gesellschaftsvertrag vom 16. Januar 2019 neu gegründete Gesellschaft mit beschränkter Haftung (GmbH) nach deutschem Recht mit Sitz in Rosenheim (Geschäftsanschrift: Prinzenallee 21, 40549 Düsseldorf). EAG ist im Handelsregister B des Amtsgerichts Traunstein unter der Nr. HRB 27988 eingetragen und hat ein Stammkapital von derzeit EUR 2.000.000,00. EAG wird vertreten durch den Geschäftsführer Markus Feld. Alleinige Gesellschafterin von EAG ist die Telefonaktiebolaget LM Ericsson (publ), eine börsennotierte Aktiengesellschaft nach schwedischem Recht.

Die neuen Firmendaten lauten seither wie folgt:
Ericsson Antenna Technology Germany GmbH
Klepperstraße 26
83026 Rosenheim, Germany
UST-Ident-Nr: DE 324 954 029
Steuer-Nr.: 103/5725/3930

As of 1 October 2019, Kathrein Mobile Communication is Ericsson Antenna Technology Germany GmbH (hereinafter also referred to as "EAG"), a limited liability company under German law, newly established by articles of association dated 16 January 2019, with its head office in Rosenheim (business address: Prinzenallee 21, 40549 Düsseldorf, Germany). EAG is registered in the commercial register, section B, of Amtsgericht Traunstein (district court Traunstein) under the number HRB 27988 and has a share capital of currently EUR 2,000,000. EAG is represented by managing director Markus Feld. The sole shareholder of EAG is Telefonaktiebolaget LM Ericsson (publ), a listed stock corporation under Swedish law.

The new company data are as follows:
Ericsson Antenna Technology Germany GmbH
Klepperstraße 26
83026 Rosenheim, Germany
VAT Reg. No.: DE 324 954 029
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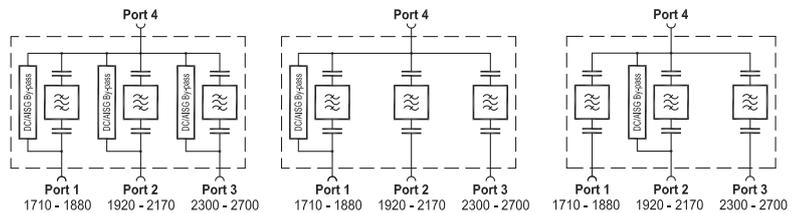
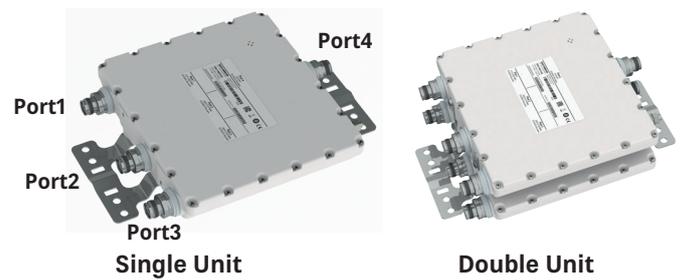
Read more at: ericsson.com/en/networks/kathrein

Triple-Band Combiner

KATHREIN

1710 – 1880 MHz 1920 – 2170 MHz 2300 – 2700 MHz

- Can be used as a combiner near the BTS or in a reciprocal function near the antenna
- Very low insertion loss
- Enables feeder sharing
- Designed for co-siting purposes
- Suitable for indoor and outdoor applications
- Wall or mast mounting
- Built-in lightning protection
- External DC stop available as an accessory



Technical Data

Type No.		78211400V43	78211402V43	78211404V43
		Single Unit	Single Unit	Single Unit
		78211401V43	78211403V43	78211405V43
		Double Unit	Double Unit	Double Unit
Pass band				
Band 1	MHz	1710 – 1880		
Band 2	MHz	1920 – 2170		
Band 3	MHz	2300 – 2700		
Insertion loss				
Port 1 ↔ Port 4	dB	< 0.3 (typ. 0.1)		
Port 2 ↔ Port 4	dB	< 0.3 (typ. 0.1)		
Port 3 ↔ Port 4	dB	< 0.3 (typ. 0.1)		
Isolation				
Port 1 ↔ Port 2	dB	> 50 (1710 – 1880 / 1920 – 2170 MHz)		
Port 1 ↔ Port 3	dB	> 50 (1710 – 1880 / 2300 – 2700 MHz)		
Port 2 ↔ Port 3	dB	> 50 (1920 – 2170 / 2300 – 2700 MHz)		
VSWR		< 1.25		
Impedance	Ω	50		
Input power	W			
Band 1 / Band 2 / Band 3		< 200 / < 200 / < 200		
Intermodulation products	dBc	< -160 (3 rd order; with 2 x 20 W)		
Temperature range	°C °F	-55 ... +60 -67 ... +140		
Connectors		4.3-10 female		
Application		Indoor or outdoor (IP 66)		
DC/AISG transparency				
Port 1 ↔ Port 4	mA	By-pass (max. 2500)	By-pass (max. 2500) Stop Stop	Stop By-pass (max. 2500) Stop
Port 2 ↔ Port 4	mA			
Port 3 ↔ Port 4	mA			
Lightning protection	kA	3, 10/350 μs pulse		
Mounting		Wall mounting: With 4 screws (max. diameter [mm in] 8 0.315) Mast mounting: With additional clamp set		
Weight	kg lb	Single unit: 3.3 7.3 Double unit: 6.7 14.8		
Dimensions (w x h x d)	mm in	Single unit: 235 x 217 x 46 9.3 x 8.5 x 1.8 Double unit: 235 x 217 x 97 9.3 x 8.5 x 3.8 (without connectors, without mounting brackets)		
Packing size	mm in	Single unit: 405 x 325 x 155 15.9 x 12.8 x 6.1 Double unit: 405 x 325 x 205 15.9 x 12.8 x 8.1		

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1710 - 1880 MHz

1920 - 2170 MHz

2300 - 2700 MHz

Accessories (order separately)

Type No.	Clamp set suitable for mast diameter of mm in
734360	34 - 60 1.34 - 2.36
734364	120 - 140 4.72 - 5.51
734365	45 - 125 1.77 - 4.92

Clamp Set



DC stop

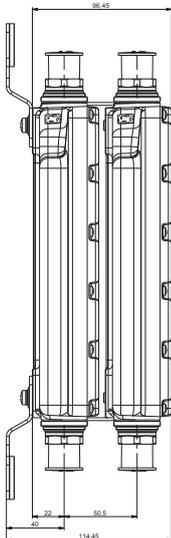
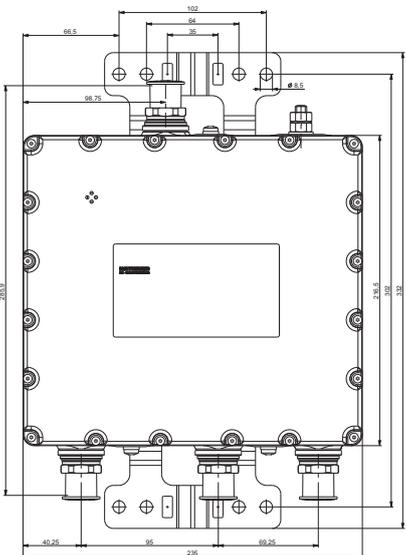
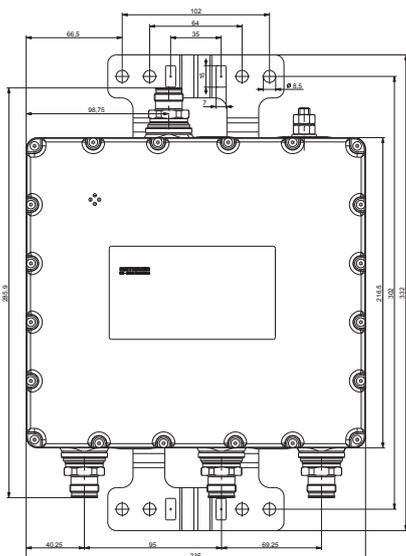


Type No.	Description
78211000	DC stop
78410484	50-Ohm load

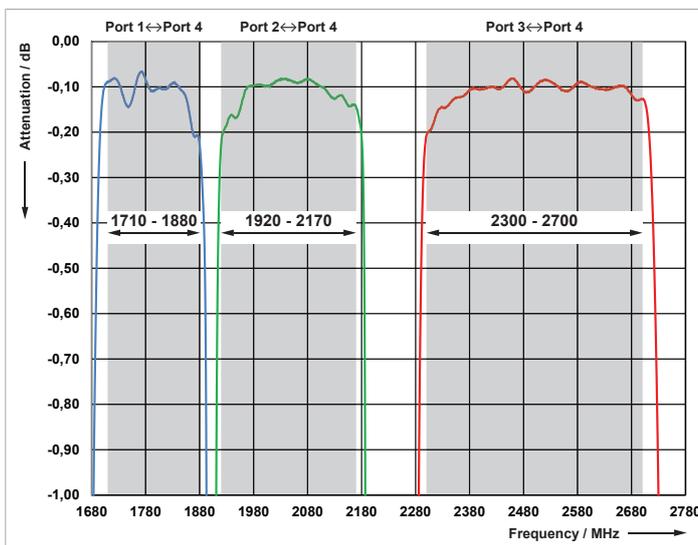
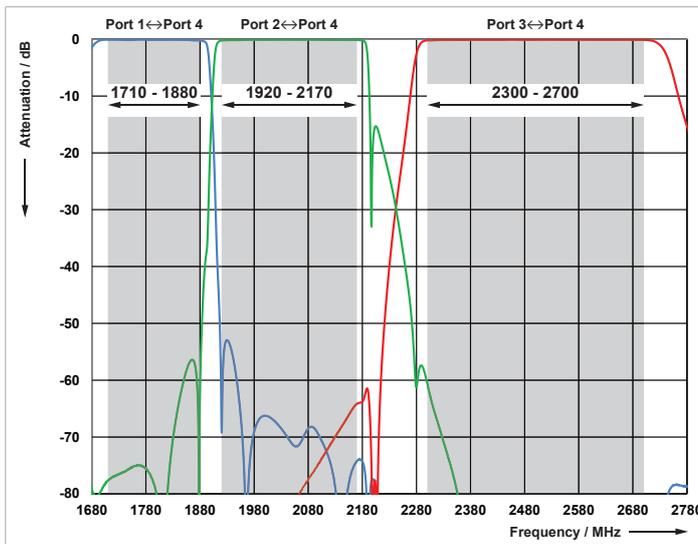
50-Ohm load



Dimensions



Typical Attenuation Curves



Please Note:

As a result of more stringent legal regulations and judgements regarding product liability, we are obliged to point out certain risks that may arise when products are used under extraordinary operating conditions.

Extraordinary operating conditions, such as heavy icing or exceptional dynamic stress (e.g. strain caused by oscillating support structures), may result in the breakage of a mast mounted device or even cause it to fall to the ground.

These facts must be considered during the site planning process.

The combiners are designed to operate under the environmental conditions as described in ETS 300 019-1-4 class 4.1 E and have passed environmental tests as recommended in ETS 300 019-2-4.

The installation team must be properly qualified and also be familiar with the relevant national safety regulations.

The details given in our data sheets have to be followed carefully when installing the combiners and accessories.

The limits for the coupling torque of RF connectors must be obeyed. The coupling torque at 4.3-10 connectors is 5-8 Nm.

Terminate unused inputs with a suitable 50-Ohm load.

Any previous datasheet issues have now become invalid.



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