

Gainflex-Antenne
406 – 430 MHz
440 – 470 MHz

KATHREIN
 Antennen · Electronic

Gainflex antenna
406 – 430 MHz
440 – 470 MHz

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Gainflex-Antenne ohne Gelenk

Typ Nr. / BN	K 71 53 21 6 / 510 076	K 71 53 21 9 / 510 078
Anschlussstecker	TNC	BNC
Frequenzbereich	406 – 430 MHz	
Typische Welligkeit	< 1,5 (410 – 420 MHz) < 2,2 (406 – 430 MHz)	
Impedanz	50 Ω	
Gewinn (bez. $\lambda/4$ -Strahler)	4 dB	
Max. Belastung	20 W (bei 50 °C Umgebungstemperatur)	
Polarisation	Vertikal	
Gewicht	Ca. 55 g	
Länge	330 mm	

Gainflex antenna without joint

Type No. / Ord. No.	K 71 53 21 6 / 510 076	K 71 53 21 9 / 510 078
Connector	TNC	BNC
Frequency range	406 – 430 MHz	
VSWR	< 1.5 (410 – 420 MHz) < 2.2 (406 – 430 MHz)	
Impedance	50 Ω	
Gain (ref. quarter-wave whip)	4 dB	
Max. load	20 W (at 50 °C ambient temperature)	
Polarization	Vertical	
Weight	Approx. 55 g	
Length	330 mm	

Gainflex-Antenne ohne Gelenk

Typ Nr. / BN	K 71 53 23 6 / 510 079	K 71 53 23 9 / 510 081
Anschlussstecker	TNC	BNC
Frequenzbereich	440 – 470 MHz	
Typische Welligkeit	< 1,5 (450 – 460 MHz) < 2,2 (440 – 470 MHz)	
Impedanz	50 Ω	
Gewinn (bez. $\lambda/4$ -Strahler)	4 dB	
Max. Belastung	20 W (bei 50 °C Umgebungstemperatur)	
Polarisation	Vertikal	
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Länge	300 mm	

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Polarization	Vertical	
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Length	300 mm	

Material: Hochelastische, korrosionsbeständige Metallwelle in besonders widerstandsfähigem schwarzem Kunststoff-Schutzmantel.
 Anschlussstecker: Messing, schwarz verchromt.
 Isolator: Polycarbonat.

Material: Highly elastic, corrosion-proof metal shaft in particularly resistive black plastic cover.
 Connector: Black chromium-plated brass.
 Insulant: Polycarbonate.

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Material: Highly elastic, corrosion-proof metal shaft in particularly resistive black plastic cover.
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Markus AHRENS

Head of Environment & Sustainability
Occupational Health and Safety
Management

ConfirmationMarch 10th, 2016**RoHS II**

We confirm that our products are fully compliant to the requirements of the RoHS Directive (DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment). Products falling into the scope of the directive are marked with the CE-Symbol. The EC declaration of conformity has been drawn up.

REACH

On June 1st, 2007 the Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the registration, evaluation, authorisation and restriction of chemical substances (REACH) took effect. Kathrein is also fully committed to achieving a high level of environmental and human health protection.

Kathrein only supplies non-chemical products (articles). These articles and their packaging materials do not contain any chemical substances that are intended to be released under normal or reasonably foreseeable conditions of use. Therefore, registration according to Article 7(1) does not apply.

Furthermore, there are currently no chemical substances in our products, as specified in the so-called "candidate list" (Art. 59; date: 17.12.2015), with a content of more than 0.1% (w/w).

If any more information according to Art. 33 is required in the future, we will inform you as soon as possible.

REACH contact: markus.ahrens@kathrein.de

KATHREIN-Werke KG



Markus Ahrens
Head of EHS & Sustainability

KATHREIN-Werke KG

Anton-Kathrein-Straße 1-3
83022 Rosenheim
Germany

Tel: +49 8031 184-606
Fax: +49 8031 184-52 606
markus.ahrens@kathrein.de
www.kathrein.com

Your reference:

Your letter of:

Our reference:
QUM/QAS

VAT Reg. No.: DE 131 158 993
Tax ID No.: 156/117/30702
WEEE Reg. No.: DE 38438502
GLN: 40 21121 00000 3
Company Headquarters: Rosenheim
HRA 460 Traunstein

Bank details:

EUR accounts:
UniCredit Bank AG
IBAN: DE71 7112 0077 0003 8322 44
BIC: HYVEDEMM448

Deutsche Bank
IBAN: DE54 7007 0010 0833 7701 00
BIC: DEUTDEMMXXX

Commerzbank
IBAN: DE20 7114 0041 0610 0887 00
BIC: COBADEFFXXX

USD account:
HSBC Trinkaus & Burkhardt
IBAN: DE52 3003 0880 4700 1240 08
BIC: TUBDDEDD

Topcon EU RoHS Compliance Declaration

Manufacturer Name: Kathrein Inc. USA Date: January 9, 2017
 Address 1: Greenway Plaza II Contact Phone: 214 238-8800
 Address 2: 2400 Lakeside Blvd Contact E-Mail: _r Robertson@kathrein.com
 RoHS Contact Name: Roy Robertson Contact Title: Quality Manager

We declare that the products listed below are compliant with substance restriction requirements listed in Annex II of the European Union RoHS Directive, 2011/65/EU and, except for Annex III and IV exemptions noted below, do not contain:

Restricted Substance	Concentration limit in Homogeneous Materials
Lead	0.1%
Mercury	0.1%
Cadmium	0.01%
Hexavalent Chromium	0.1%
Polybrominated biphenyls (PBB)	0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%

Component Product List (attach additional sheets as needed):

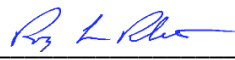
Company Part Number	Topcon Part Number	RoHS Compliant (check for yes)?	Material Composition and/or Test Results attached (check for yes)	Exemptions Taken (refer to attached Topcon RoHS Directive Technical Requirements document)	Dates Compliant Samples/Production Material will be Available
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		

Assembly/ODM/Module Product List (attach additional sheets as needed):

Company Part Number	Topcon Part Number	RoHS Compliant (check for yes)?	Check here if you have evidence of RoHS compliance on hand for every component and material for this product	Exemptions Taken (refer to attached Topcon RoHS Directive Technical Requirements document)	Dates Compliant Samples/Production Material will be Available
K7153239		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		

RoHS compliance system description attached (if not, date we will send it to Topcon: _____)

Marking/labeling description or strategy attached (if not, date we will send it to Topcon: _____)

Authorized Signature: 

Printed Name: Roy Robertson

Title: Quality Manager