

DATA SHEET

Item no. 99530910

Connector type
For cable

FM-RG11-ALM 7,4/11,7 DK XK .475"
Draka Coax6 AT 16 S FRNC-C

Frequency Range

Impedance (Nom.)

Amp. Rating (@10°C increase)

Transfer Impedance (CoMeT)

Shielding Effectiveness(CoMeT)

0.3 - 3000 MHz
75 Ω
5 A
<1 mΩ/m @ 5-30MHz
<0,1 mΩ/item @ 5-30MHz
130 dB @ 30-862MHz

All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.



Return Loss

(RF Analyzer HP 8714C)

0.3 - 500 MHz
500 - 860 MHz
860 - 1000 MHz
1000 - 1750 MHz
1750 - 2150 MHz
2150 - 3000 MHz

	Better than	Typical
0.3 - 500 MHz	-33 dB	-35,1 dB
500 - 860 MHz	-28 dB	-30,2 dB
860 - 1000 MHz	-27 dB	-29,3 dB
1000 - 1750 MHz	-25 dB	-26,5 dB
1750 - 2150 MHz	-24 dB	-26,4 dB
2150 - 3000 MHz	-24 dB	-26,6 dB

Insertion Loss Max.

0.3 - 500 MHz
500 - 860 MHz
860 - 1000 MHz
1000 - 1750 MHz
1750 - 2150 MHz
2150 - 3000 MHz

	Better than	Typical
0.3 - 500 MHz	-0,06 dB	-0,01 dB
500 - 860 MHz	-0,06 dB	-0,01 dB
860 - 1000 MHz	-0,07 dB	-0,02 dB
1000 - 1750 MHz	-0,07 dB	-0,02 dB
1750 - 2150 MHz	-0,08 dB	-0,03 dB
2150 - 3000 MHz	-0,08 dB	-0,03 dB

Temperature

Installing
Operating
Storing

-5° to +50° C
-40° to +70° C
-40° to +70° C

Intermodulation

3rd Order (@2x100mW)

IM3

IP3-value

138 dBc	89 dBm
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Insulation Resistance

(@ 500 V)

>29,99 GΩ

Inner Conductor Resistance

(@ 1 A DC)

2,8 mΩ

Max. Tensile Strength

Overall

450 N

Base Material

Body Parts

Brass CuZn39Pb3

Inner Conductor

Brass CuZn39Pb3

Plating

Body Parts

Nitin-6

Inner Conductor

Nitin-6

Dielectric Strength

DC Test Voltage

>2 KV

Test performed by

Florian Lütcher

Insulators

PE

Date of release

January 26, 2005

Remarks

ISO 9001:2000 / ISO 14001 certified

Distributor:

CABELCON
connectors

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Form 041 rev 1

Item no.	99530730	Connector type	FM-RG11-EPA 7,4/11,5 CC XC
		For cable	DRAKA COAX6 AT 16 S FRNC

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (@10°C increase)	6 A
Transfer Impedance (CoMeT)	<2 mΩ/m @ 5-30MHz
	<0,1 mΩ/con. @ 5-30MHz
Shielding Effectiveness (CoMeT)	110 dB @ 30-862MHz

All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.



Return Loss
(RF Analyzer HP 8714C)

0.3 - 500 MHz	-30 dB	-32,5 dB
500 - 860 MHz	-26 dB	-28,1 dB
860 - 1000 MHz	-25 dB	-26,9 dB
1000 - 1750 MHz	-20 dB	-22,5 dB
1750 - 2150 MHz	-20 dB	-22,2 dB
2150 - 3000 MHz	-20 dB	-22,2 dB

	Better than	Typical
0.3 - 500 MHz	-30 dB	-32,5 dB
500 - 860 MHz	-26 dB	-28,1 dB
860 - 1000 MHz	-25 dB	-26,9 dB
1000 - 1750 MHz	-20 dB	-22,5 dB
1750 - 2150 MHz	-20 dB	-22,2 dB
2150 - 3000 MHz	-20 dB	-22,2 dB

Insertion Loss Max.

0.3 - 500 MHz	-0,06 dB	-0,01 dB
500 - 860 MHz	-0,06 dB	-0,01 dB
860 - 1000 MHz	-0,07 dB	-0,02 dB
1000 - 1750 MHz	-0,08 dB	-0,03 dB
1750 - 2150 MHz	-0,09 dB	-0,04 dB
2150 - 3000 MHz	-0,10 dB	-0,05 dB

	Better than	Typical
0.3 - 500 MHz	-0,06 dB	-0,01 dB
500 - 860 MHz	-0,06 dB	-0,01 dB
860 - 1000 MHz	-0,07 dB	-0,02 dB
1000 - 1750 MHz	-0,08 dB	-0,03 dB
1750 - 2150 MHz	-0,09 dB	-0,04 dB
2150 - 3000 MHz	-0,10 dB	-0,05 dB

Temperature

Installing	-5° to +50° C
Operating	-40° to +70° C
Storing	-40° to +70° C

Intermodulation

3rd Order (@2x100mW)

IM3	IP3-value
137 dBc	88 dBm

Sealing Test

(IEC IP-code)	IP X8 30 meter / 8 hours
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Insulation Resistance

(@ 500 V)	>29,99 GΩ
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Max. Tensile Strength

Overall	600 N
Inner Conductor	

Inner Conductor Resistance

(@ 1 A DC)	<2 mΩ
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Base Material

Body Parts	Brass CuZn39Pb3
Inner Conductor	Brass CuZn39Pb3

Plating

Body Parts	Nitin-6
Inner Conductor	Nitin-6

Dielectric Strength

DC Test Voltage	>2 KV
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O-rings

	EPDM
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Test performed by

	Jan M. Clausen
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Insulators

	PE
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Date of release

	January 10, 2005
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Remarks

ISO 9001:2000 / ISO 14001 certified

Distributor:

CABELCON
connectors

Item no.	99909510	Connector type	FM-RG11-CX3 7,5
		For cable	Draka Coax6 AT 16 S FRNC-C

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (@10°C increase)	5 A
Transfer Impedance (CoMeT)	<1 mΩ/m @ 5-30MHz
	<0,1 mΩ/con. @ 5-30MHz
Shielding Effectiveness (CoMeT)	125 dB @ 30-862MHz

All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.



Return Loss
(RF Analyzer HP 8714C)

0.3 - 500 MHz	-39 dB	-42,0 dB
500 - 860 MHz	-38 dB	-41,0 dB
860 - 1000 MHz	-38 dB	-41,4 dB
1000 - 1750 MHz	-32 dB	-34,0 dB
1750 - 2150 MHz	-28 dB	-30,5 dB
2150 - 3000 MHz	-24 dB	-25,7 dB

	Better than	Typical
0.3 - 500 MHz	-39 dB	-42,0 dB
500 - 860 MHz	-38 dB	-41,0 dB
860 - 1000 MHz	-38 dB	-41,4 dB
1000 - 1750 MHz	-32 dB	-34,0 dB
1750 - 2150 MHz	-28 dB	-30,5 dB
2150 - 3000 MHz	-24 dB	-25,7 dB

Insertion Loss Max.

0.3 - 500 MHz	-0,06 dB	-0,01 dB
500 - 860 MHz	-0,07 dB	-0,02 dB
860 - 1000 MHz	-0,07 dB	-0,02 dB
1000 - 1750 MHz	-0,07 dB	-0,02 dB
1750 - 2150 MHz	-0,07 dB	-0,02 dB
2150 - 3000 MHz	-0,07 dB	-0,02 dB

	Better than	Typical
0.3 - 500 MHz	-0,06 dB	-0,01 dB
500 - 860 MHz	-0,07 dB	-0,02 dB
860 - 1000 MHz	-0,07 dB	-0,02 dB
1000 - 1750 MHz	-0,07 dB	-0,02 dB
1750 - 2150 MHz	-0,07 dB	-0,02 dB
2150 - 3000 MHz	-0,07 dB	-0,02 dB

Temperature

Installing	-5° to +50° C
Operating	-40° to +70° C
Storing	-40° to +70° C

Intermodulation

3rd Order (@2x100mW)

IM3	IP3-value
140 dBc	90 dBm

Insulation Resistance

(@ 500 V) >29,99 GΩ

Sealing Test

(IEC IP-code) IP X8 30 meter / 8 hours

Inner Conductor Resistance

(@ 1 A DC) <1,2 mΩ

Max. Tensile Strength

Overall	470 N
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Base Material

Body Parts	Brass CuZn39Pb3 / Tin bronze / POM
Inner Conductor	Brass CuZn39Pb3

Plating

Body Parts	Nitin-6
Inner Conductor	Nitin-6

Dielectric Strength

DC Test Voltage >2 KV

O-rings

EPDM

Test performed by

Florian Lütcher

Insulators

PE

Date of release

January 18, 2005

Remarks

ISO 9001:2000 / ISO 14001 certified

Distributor:

