

Ek

EKSELANS BY ITS

SPLITTERS



RQC 2 · RQC 3 · RQC 4 ·
RQC 6 · RQC 8

- ✓ QuiCoax connection system
- ✓ 2/3/4/6/8 Outputs
- ✓ Low insertion loss
- ✓ DC pass



RQC 2



RQC 4

01



Reduce to
minimum
installation
time

02



No need
of tools

03



Guarantees
an **excellent
connected** and
minimizes the
space

04



Very high
**shielding factor
CLASS A +10dB**
throughout the
band

05



Eliminate the use
of **connectors**
and **associated
costs**

06



QuiCoax,
the new
Standard of
Connection



TECHNICAL TABLE

REFERENCE	RQC 2	RQC 3	RQC 4	RQC 6	RQC 8
CODE	141010	141011	141016	141017	141018
LOSS					
Insertion loss (IN-OUT) 5-47 MHz	<3,5 dB	<6 dB	<7,4 dB	<10,5 dB	<12 dB
Insertion loss (IN-OUT) 47-950 Mhz	<4,0 dB	<6,7 dB	<8 dB	<10,5 dB	<12 dB
Insertion loss (IN-OUT) 950-2150 MHz	<5,5 dB	<9 dB	<10 dB	< 11,5 dB	< 13,8 dB
Insertion loss (IN-OUT) 2150-2400 Mhz	<6,0 dB	<9,3 dB	<10,3 dB	<12 dB	<14 dB
ISOLATION					
Isolation (OUT-OUT) 5-47 MHz	>35 dB	>30 dB	>30 dB	>30 dB	>30 dB
Isolation (OUT-OUT) 47-950 MHz	>30 dB	>30 dB	>30 dB	>30 dB	>30 dB
Isolation (OUT-OUT) 950-2150 MHz	>22 dB	>25 dB	>30 dB	>25 dB	>24 dB
Isolation (OUT-OUT) 2150-2400 MHz	>20 dB	>24 dB	>30 dB	>24 dB	>22 dB
RETURN LOSS					
Return loss 5-47 MHz	>15 dB	>12 dB	>12 dB	>16 dB	>16 dB
Return loss 47-950 MHz	>15 dB	>15 dB	>15 dB	>15 dB	>15 dB
Return loss 950-2150 MHz	>15 dB	>12 dB	>15 dB	>12 dB	>12 dB
Return loss 2150-2400 MHz	>12 dB	>12 dB	>15 dB	>12 dB	>12 dB
OPERATIONAL					
Impedance	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω
Application	SAT, MATV 2,4Ghz +DC	SAT, MATV 2,4Ghz +DC	SAT, MATV 2,4Ghz +DC	SAT, MATV 2,4Ghz +DC	SAT, MATV 2,4Ghz +DC
Screening Efficiency	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB
DC Passthrough	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)
Environment	Indoor	Indoor	Indoor	Indoor	Indoor
CABLE CONNECTION					
Number of inputs	1	1	1	1	1
Number of outputs	2	3	4	6	8
Connection Type	QuiCoax	QuiCoax	QuiCoax	QuiCoax	QuiCoax
MECHANICAL					
Product Depth	16 mm	16 mm	16 mm	16 mm	16 mm
Product Height	38 mm	38 mm	38 mm	42 mm	42 mm
Product Width	75 mm	75 mm	103 mm	159 mm	159 mm
Packing QTY	1	1	1	1	1
Net Weight	0,081kg	0,081kg	0,114kg	0,177 kg	0,177 kg

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Test of: Coupling transfer function (Ed.2)

Information for test

Test Job: 3000 Operator: J.M. Measurement: 05.02.2020 11:47:46
 Test set-up: triaxial cell 1000/150+TECLASS 3000 A++
 Remark: triaxial cell 1000/150

Device under test

Item Number: 0000 Cable type: EK RQC 2-1 cell 1000/15
 Type: coaxial Zw: 75.0 Ohm
 Test length: 1.00 m Eps r: 1.5



Test parameter

Start frequency: 10.0 kHz	Gen. Power: 0.0 dBm	Add. parameter of transfer impedance:
Stop frequency: 3.0 GHz	Atten.(P1/P2): 0.0 dB	Test-setup: Short-Matched
Number of points: 801		R1(Z1): 75.0 Ohm
Distance of points: log		R2: 0.0 Ohm Eps r2: 0.0
IF-BW: 10 Hz		Rp: - - - Z2: 0.0 Ohm
Z(NWA): 50.0 Ohm		Rs: - - - lex: 0.0 m

Test diagram

Coupling transfer function (Ed.2) EK RQC 2-1 cell 1000/15

