

# SPLITTERS



RQC 2 · RQC 3 · RQC 4

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

Ek

EKSELANS BY ITS



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
CODE	141010	141011	141016
LOSS			
Insertion loss (IN-OUT) 5-47 MHz	<3.5 dB	<6 dB	<7.4 dB
Insertion loss (IN-OUT) 47-950 Mhz	<4.0 dB	<6.7 dB	<8 dB
Insertion loss (IN-OUT) 950-2150 MHz	<5.5 dB	<9 dB	<10 dB
Insertion loss (IN-OUT) 2150-2400 Mhz	<6.0 dB	<9.3 dB	<10.3 dB
ISOLATION			
Isolation (OUT-OUT) 5-47 MHz	>35 dB	>30 dB	>30 dB
Isolation (OUT-OUT) 47-950 MHz	>30 dB	>30 dB	>30 dB
Isolation (OUT-OUT) 950-2150 MHz	>22 dB	>25 dB	>30 dB
Isolation (OUT-OUT) 2150-2400 MHz	>20 dB	>24 dB	>30 dB
RETURN LOSS			
Return loss 5-47 MHz	>15 dB	>12 dB	>12 dB
Return loss 47-950 MHz	>15 dB	>15 dB	>15 dB
Return loss 950-2150 MHz	>15 dB	>12 dB	>15 dB
Return loss 2150-2400 MHz	>12 dB	>12 dB	>15 dB
OPERATIONAL			
Impedance	75 Ω	75 Ω	75 Ω
Application	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
DC Passthrough	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)
Environment	Indoor	Indoor	Indoor
CABLE CONNECTION			
Number of inputs	1	1	1
Number of outputs	2	3	4
Connection Type	QuiCoax	QuiCoax	QuiCoax
MECHANICAL			
Product Depth	16 mm	16 mm	16 mm
Product Height	38 mm	38 mm	38 mm
Product Width	75 mm	75 mm	103 mm
Packing QTY	1		
Net Weight	0,081kg	0,081kg	0,114kg

**Ekselans by ITS**

**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**

