

TAPS

 QuiCoax®

DQC 412 · DQC 416  
DQC 420 · DQC 424

- √ QuiCoax connection system
- √ 4 Outputs
- √ Low insertion loss
- √ DC pass in trunk line

Ek

EKSELANS BY ITS



DQC 412

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	DQC412	DQC416	DQC420	DQC424
CODE	142016	142017	142018	142019
LOSS				
Insertion loss (in-out) 5-47 MHz	<3 dB	<2.5 dB	<1.3 dB	<0.5 dB
Insertion loss (in-out) 47-950 Mhz	<4.1 dB	<2.6 dB	<1.6 dB	<0.8 dB
Insertion loss (in-out) 950-2150 MHz	<4.5 dB	<3.2 dB	<2.5 dB	<1.5 dB
Insertion loss (in-out) 2150-2400 Mhz	<4.7 dB	<3.6 dB	<3.1 dB	<2.2 dB
Tap loss (in-tap) 5-47 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (in-tap) 47-950 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (in-tap) 950-2150 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (in-tap) 2150-2400 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
ISOLATION				
Isolation (tap-tap) 5-47 MHz	>25 dB	>25 dB	>25 dB	>25 dB
Isolation (tap-tap) 47-950 MHz	>30 dB	>22 dB	>23 dB	>25 dB
Isolation (tap-tap) 950-2150 MHz	>26 dB	>20 dB	>23 dB	>25 dB
Isolation (tap-tap) 2150-2400 MHz	>22 dB	>20 dB	>25 dB	>28 dB
Isolation (tap-out) 5-47 MHz	>35 dB	>23 dB	>35 dB	>35 dB
Isolation (tap-out) 47-950 MHz	>30 dB	>23 dB	>30 dB	>30 dB
Isolation (tap-out) 950-2150 MHz	>32 dB	>24 dB	>24 dB	>30 dB
Isolation (tap-out) 2150-2400 MHz	>32 dB	>25 dB	>24 dB	>28 dB
RETURN LOSS				
Return loss 5-47 MHz	>12 dB	>15 dB	>15 dB	>15 dB
Return loss 47-950 MHz	>14 dB	>15 dB	>15 dB	>15 dB
Return loss 950-2150 MHz	>12 dB	>15 dB	>15 dB	>15 dB
Return loss 2150-2400 MHz	>12 dB	>12 dB	>12 dB	>12 dB
OPERATIONAL				
Impedance	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
Screening Efficiency	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)
Environment	Indoor	Indoor	Indoor	Indoor
CABLE CONNECTION				
Number of inputs	1	1	1	1
Number of outputs	1	1	1	1
Number of taps	4	4	4	4
Connection Type	QuiCoax	QuiCoax	QuiCoax	QuiCoax
MECHANICAL				
Product Depth	16 mm	16 mm	16 mm	16 mm
Product Height	38 mm	38 mm	38 mm	38 mm
Product Width	103 mm	103 mm	103 mm	103 mm
Packing QTY	1	1	1	1
Net Weight	0,114kg	0,114kg	0,114kg	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**

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

