

# TAPS



DQC 212 · DQC 216  
DQC 220 · DQC 224

- ✓ QuiCoax connection system
- ✓ 2 Outputs
- ✓ Low insertion loss
- ✓ DC pass in trunk line



EKSELANS BY ITS



DQC 212

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**  
throughout the  
band

05



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

06



**QuiCoax,**  
the new  
**Standard of  
Connection**



## TECHNICAL TABLE

REFERENCE	DQC212	DQC216	DQC220	DQC224
CODE	141012	141013	141014	141015
LOSS				
Insertion loss (IN-OUT) 5-47 MHz	<2.3 dB	<1.1 dB	<0.8 dB	<0.5 dB
Insertion loss (IN-OUT) 47-950 Mhz	<2.4 dB	<1.2 dB	<0.9 dB	<0.6 dB
Insertion loss (IN-OUT) 950-2150 MHz	<4 dB	<2dB	<1.2dB	<1dB
Insertion loss (IN-OUT) 2150-2400 Mhz	<4.3 dB	<2.2 dB	<1.7 dB	<1.6 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	>35 dB	>28 dB	>29 dB	>28dB
Isolation (TAP-TAP) 47-950 MHz	>30 dB	>28 dB	>29 dB	>28 dB
Isolation (TAP-TAP) 950-2150 MHz	>20 dB	>28 dB	>22 dB	>24 dB
Isolation (TAP-TAP) 2150-2400 MHz	>18 dB	>22 dB	>29 dB	>24 dB
Isolation (TAP-OUT) 5-47 MHz	>28 dB	>28 dB	>35 dB	>40 dB
Isolation (TAP-OUT) 47-950 MHz	>25 dB	>25 dB	>35 dB	>40 dB
Isolation (TAP-OUT) 950-2150 MHz	>22 dB	>25 dB	>28 dB	>30 dB
Isolation (TAP-OUT) 2150-2400 MHz	>22 dB	>24 dB	>26 dB	>30 dB
RETURN LOSS				
Return loss 5-47 MHz	>14 dB	>15 dB	>15 dB	>17 dB
Return loss 47-950 MHz	>15 dB	>15 dB	>15 dB	>18 dB
Return loss 950-2150 MHz	>12 dB	>12 dB	>12 dB	>15 dB
Return loss 2150-2400 MHz	>12 dB	>10 dB	>10 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	2	2	2	2
Connection Type	QuiCoax			
MECHANICAL				
Product Depth	16 mm			
Product Height	38 mm			
Product Width	75 mm			
Packing QTY	1			
Net Weight	0,081kg			

**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**

