

TAPS

 QuiCoax®

DQC 112 · DQC 116
DQC 120 · DQC 124

- ✓ QuiCoax connection system
- ✓ 1 Output
- ✓ Low insertion loss
- ✓ DC pass in trunk line

Ek EKSELANS BY ITS



DQC 112

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	DQC 112	DQC 116	DQC 120	DQC 124
CODE	141026	141027	141028	141029
LOSS				
Insertion loss (IN-OUT) 5-47 MHz	<1.3 dB	<1 dB	<0.7 dB	<0.6 dB
Insertion loss (IN-OUT) 47-950 Mhz	<1.4 dB	<1.1 dB	<0.8 dB	<0.7 dB
Insertion loss (IN-OUT) 950-2150 MHz	<2.4 dB	<2dB	<2.1dB	<2dB
Insertion loss (IN-OUT) 2150-2400 Mhz	<2.6 dB	<2.1 dB	<2.2 dB	<2.1 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
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			
Application	SAT, MATV 2.4Ghz +DC			
Screening Efficiency	EN50083-2 Class A +10dB			
DC Passthrough	Yes (max. 500mA)			
Environment	Indoor			
CABLE CONNECTION				
Number of inputs	1			
Number of outputs	1			
Number of taps	1			
Connection Type	QuiCoax			
MECHANICAL				
Product Depth	16 mm			
Product Height	32 mm			
Product Width	60 mm			
Packing QTY	1			
Net Weight	0.051 kg			

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+TEPASS 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

