

TAPS



DQC 816 · DQC 820 · DQC 824

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



EKSELANS BY ITS



DQC 816

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 **connec-
tors and asso-
ciated costs**

06



**QuiCoax,
the new
Standard of
Connection**

TECHNICAL TABLE

REFERENCE	DQC816	DQC820	DQC824
CODE			
LOSS			
Insertion loss (in-out) 5-47 MHz	<4.1 dB	<1.8 dB	<1.1 dB
Insertion loss (in-out) 47-950 Mhz	<4.1 dB	<2.7 dB	<1.8 dB
Insertion loss (in-out) 950-2150 MHz	<4.2 dB	<3.6 dB	<2.5 dB
Insertion loss (in-out) 2150-2400 Mhz	<4.4 dB	<3.9dB	<2.8 dB
Tap loss (in-tap) 5-47 MHz	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (in-tap) 47-950 MHz	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (in-tap) 950-2150 MHz	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (in-tap) 2150-2400 Mhz	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
ISOLATION			
Isolation (tap-tap) 5-47 MHz	>30 dB	>28 dB	>30 dB
Isolation (tap-tap) 47-950 MHz	>31 dB	>33 dB	>35 dB
Isolation (tap-tap) 950-2150 MHz	>32 dB	>40 dB	>40 dB
Isolation (tap-tap) 2150-2400 MHz	>35 dB	>35 dB	>35 dB
Isolation (tap-out) 5-47 MHz	>32 dB	>20 dB	>33 dB
Isolation (tap-out) 47-950 MHz	>36 dB	>18 dB	>29 dB
Isolation (tap-out) 950-2150 MHz	>32 dB	>20 dB	>29 dB
Isolation (tap-out) 2150-2400 MHz	>35 dB	>21 dB	>28 dB
RETURN LOSS			
Return loss 5-47 MHz	>14 dB	>15 dB	>15 dB
Return loss 47-950 MHz	>14 dB	>15 dB	>15 dB
Return loss 950-2150 MHz	>15 dB	>15 dB	>15 dB
Return loss 2150-2400 MHz	>15 dB	>14 dB	>14 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	8		
Connection Type	QuiCoax		
MECHANICAL			
Product Depth	16 mm		
Product Height	42 mm		
Product Width	159 mm		
Packing QTY	1		

Ekselans by ITS

Test of: Coupling transfer function (Ed.2)

Information for test

Test Job: 3000 Operator: J.M. easurement: 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

