

Ek

EKSELANS BY ITS

TAPS

**QuiCoax® F**  
↔ CONNECTOR

DQCF 816 · DQCF 820 · DQCF 824

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



DQCF 816

**QuiCoax® F**  
↔ CONNECTOR

NOW WITH **F CONNECTOR**  
ALREADY INSERTED



ALL REFERENCES  
INCLUDE  
**F CONNECTORS**  
ALREADY INSERTED



TAPS WITH **ALL**  
**CONNECTORS ON**  
**SAME SIDE**



YOU CAN **CONVERT**  
**THEM TO QUICOAX**  
BY REMOVING THE  
F CONNECTORS AND  
THUS ENJOY ALL ITS  
ADVANTAGES



## TECHNICAL TABLE

REFERENCE	DQCF 816	DQCF 820	DQCF 824
CODE	142045	142046	142047
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 $\pm$ 1.5 dB	20 dB $\pm$ 1.5 dB	24 dB $\pm$ 1.5 dB
Tap loss (in-tap) 47-950 Mhz	16 dB $\pm$ 1.5 dB	20 dB $\pm$ 1.5 dB	24 dB $\pm$ 1.5 dB
Tap loss (in-tap) 950-2150 MHz	16 dB $\pm$ 1.5 dB	20 dB $\pm$ 1.5 dB	24 dB $\pm$ 1.5 dB
Tap loss (in-tap) 2150-2400 Mhz	16 dB $\pm$ 1.5 dB	20 dB $\pm$ 1.5 dB	24 dB $\pm$ 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 $\Omega$		
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	F (QuiCoax option)		
MECHANICAL			
Product Depth	16 mm		
Product Height	42 mm		
Product Width	159 mm		
Packing QTY	1		
Net Weight	0,177kg		

**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+TELASS 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**

