

TAPS



DQCF 616 · DQCF 620 · DQCF 624

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



EKSELANS BY ITS



DQCF 616



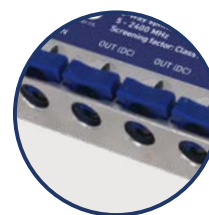
NOW WITH **F CONNECTOR**
ALREADY INSERTED



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 616	DQCF 620	DQCF 624
CODE	142042	142043	142044
LOSS			
Insertion loss (in-out) 5-47 MHz	<4 dB	<1.3 dB	<0.5 dB
Insertion loss (in-out) 47-950 Mhz	<4.1 dB	<1.6 dB	<0.8 dB
Insertion loss (in-out) 950-2150 MHz	<4.2 dB	<2.5 dB	<1.5 dB
Insertion loss (in-out) 2150-2400 Mhz	<4.4 dB	<3.1 dB	<2.2 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	>25 dB	>25 dB	>25 dB
Isolation (tap-tap) 47-950 MHz	>22 dB	>23 dB	>25 dB
Isolation (tap-tap) 950-2150 MHz	>20 dB	>23 dB	>25 dB
Isolation (tap-tap) 2150-2400 MHz	>20 dB	>25 dB	>28 dB
Isolation (tap-out) 5-47 MHz	>23 dB	>35 dB	>35 dB
Isolation (tap-out) 47-950 MHz	>23 dB	>30 dB	>30 dB
Isolation (tap-out) 950-2150 MHz	>24 dB	>24 dB	>30 dB
Isolation (tap-out) 2150-2400 MHz	>25 dB	>24 dB	>28 dB
RETURN LOSS			
Return loss 5-47 MHz	>15 dB	>15 dB	>15 dB
Return loss 47-950 MHz	>15 dB	>15 dB	>15 dB
Return loss 950-2150 MHz	>15 dB	>15 dB	>15 dB
Return loss 2150-2400 MHz	>12 dB	>12 dB	>12 dB
OPERATIONAL			
Impedance	75 Ω	75 Ω	75 Ω
Application	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
DC Passthrough	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)
Environment	Indoor	Indoor	Indoor
CABLE CONNECTION			
Number of inputs	1	1	1
Number of outputs	1	1	1
Number of taps	6	6	6
Connection Type	F (QuiCoax option)		
MECHANICAL			
Product Depth	16 mm	16 mm	16 mm
Product Height	38 mm	38 mm	38 mm
Product Width	103 mm	103 mm	103 mm
Packing QTY	1	1	1
Net Weight	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

