EKSELANS BY ITS

TAPS

QuiCoax®

DQC 212 · DQC 216
DQC 220 · DQC 224

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

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**

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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			

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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+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