



EKSELANS BY ITS

 **QuiCoax<sup>®</sup>** **F**  
↔ CONNECTOR

**NOW WITH  
F CONNECTOR  
ALREADY  
INSERTED**



ENTER THE EK WORLD



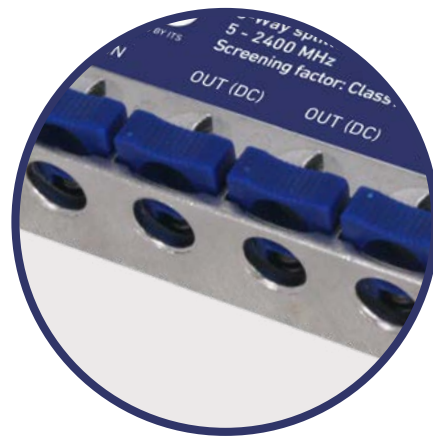
# QuiCoax® F

↔ CON CONECTOR

**NOW WITH F CONNECTOR  
ALREADY INSERTED**



ALL REFERENCES  
INCLUDE  
**F CONNECTORS  
ALREADY INSERTED**



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

# SPLITTERS

RQCF 2 · RQCF 3 · RQCF 4 · RQCF 6 · RQCF 8

REFERENCE	RQCF 2	RQCF 3	RQCF 4	RQCF 6	RQCF 8
CODE	141025	141026	141027	141028	141029
LOSS					
Insertion loss (IN-OUT) 5-47 MHz	<3.5 dB	<6 dB	<7.4 dB	<10.5 dB	<12 dB
Insertion loss (IN-OUT) 47-950 Mhz	<4.0 dB	<6.7 dB	<8 dB	<10.5 dB	<12 dB
Insertion loss (IN-OUT) 950-2150 MHz	<5.5 dB	<9 dB	<10 dB	<11.5 dB	<13.8 dB
Insertion loss (IN-OUT) 2150-2400 Mhz	<6.0 dB	<9.3 dB	<10.3 dB	<12 dB	<14 dB
ISOLATION					
Isolation (OUT-OUT) 5-47 MHz	>35 dB	>30 dB	>30 dB	>30 dB	>30 dB
Isolation (OUT-OUT) 47-950 MHz	>30 dB	>30 dB	>30 dB	>30 dB	>30 dB
Isolation (OUT-OUT) 950-2150 MHz	>22 dB	>25 dB	>30 dB	>25 dB	>24 dB
Isolation (OUT-OUT) 2150-2400 MHz	>20 dB	>24 dB	>30 dB	>24 dB	>22 dB
RETURN LOSS					
Return loss 5-47 MHz	>15 dB	>12 dB	>12 dB	>16 dB	>16 dB
Return loss 47-950 MHz	>15 dB	>15 dB	>15 dB	>15 dB	>15 dB
Return loss 950-2150 MHz	>15 dB	>12 dB	>15 dB	>12 dB	>12 dB
Return loss 2150-2400 MHz	>12 dB	>12 dB	>15 dB	>12 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	2	3	4	6	8
Connection Type	QuiCoax				
MECHANICAL					
Product Depth	16 mm	16 mm	16 mm	16 mm	16 mm
Product Height	38 mm	38 mm	38 mm	42 mm	42 mm
Product Width	75 mm	75 mm	103 mm	159 mm	159 mm
Packing QTY	1				
Net Weight	0,081kg	0,081kg	0,114kg	0,177 kg	0,177 kg

- ✓ 2/3/4/6/8 Outputs
- ✓ Low insertion loss
- ✓ DC pass



RQCF 2



RQCF 4

# MINI TAPS

DQCF 112 · DQCF 116 · DQCF 120 · DQCF 124

REFERENCE	DQCF 112	DQCF 116	DQCF 120	DQCF 124
CODE	142030	142031	142032	142033
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			

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



DQCF 212 · DQCF 216 · DQCF 220 · DQCF 224

REFERENCE	DQCF 212	DQCF 216	DQCF 220	DQCF 224
CODE	141034	141035	141036	141037
<b>LOSS</b>				
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
<b>ISOLATION</b>				
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
<b>RETURN LOSS</b>				
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
<b>OPERATIONAL</b>				
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
<b>CABLE CONNECTION</b>				
Number of inputs	1	1	1	1
Number of outputs	1	1	1	1
Number of taps	2	2	2	2
Connection Type	QuiCoax			
<b>MECHANICAL</b>				
Product Depth	16 mm			
Product Height	38 mm			
Product Width	75 mm			
Packing QTY	1			
Net Weight	0,081kg			

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



DQCF 412 · DQCF 416 · DQCF 420 · DQCF 424

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

REFERENCIA	DQCF 412	DQCF 416	DQCF 420	DQCF 424
Código	142038	142039	142040	142041
<b>PÉRDIDAS</b>				
Pérdidas de inserción (IN-OUT) 5-47 MHz	<3 dB	<2.5 dB	<1.3 dB	<0.5 dB
Pérdidas de inserción (IN-OUT) 47-950 Mhz	<4.1 dB	<2.6 dB	<1.6 dB	<0.8 dB
Pérdidas de inserción (IN-OUT) 950-2150 MHz	<4.5 dB	<3.2 dB	<2.5 dB	<1.5 dB
Pérdidas de inserción (IN-OUT) 2150-2400 Mhz	<4.7 dB	<3.6 dB	<3.1 dB	<2.2 dB
Pérdidas de derivación (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
Pérdidas de derivación (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
Pérdidas de derivación (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
Pérdidas de derivación (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
<b>AISLAMIENTO</b>				
Aislamiento (TAP-TAP) 5-47 MHz	>25 dB	>25 dB	>25 dB	>25 dB
Aislamiento (TAP-TAP) 47-950 MHz	>30 dB	>22 dB	>23 dB	>25 dB
Aislamiento (TAP-TAP) 950-2150 MHz	>26 dB	>20 dB	>23 dB	>25 dB
Aislamiento (TAP-TAP) 2150-2400 MHz	>22 dB	>20 dB	>25 dB	>28 dB
Aislamiento (TAP-OUT) 5-47 MHz	>35 dB	>23 dB	>35 dB	>35 dB
Aislamiento (TAP-OUT) 47-950 MHz	>30 dB	>23 dB	>30 dB	>30 dB
Aislamiento (TAP-OUT) 950-2150 MHz	>32 dB	>24 dB	>24 dB	>30 dB
Aislamiento (TAP-OUT) 2150-2400 MHz	>32 dB	>25 dB	>24 dB	>28 dB
<b>PÉRDIDAS DE RETORNO</b>				
Pérdidas de retorno 5-47 MHz	>12 dB	>15 dB	>15 dB	>15 dB
Pérdidas de retorno 47-950 MHz	>14 dB	>15 dB	>15 dB	>15 dB
Pérdidas de retorno 950-2150 MHz	>12 dB	>15 dB	>15 dB	>15 dB
Pérdidas de retorno 2150-2400 MHz	>12 dB	>12 dB	>12 dB	>12 dB
<b>OPERACIONAL</b>				
Impedancia	75 Ω	75 Ω	75 Ω	75 Ω
Aplicación	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC
Eficiencia de detección	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB
Paso de corriente DC	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)
Entorno	Indoor	Indoor	Indoor	Indoor
<b>CONEXIÓN DEL CABLE</b>				
Numero de entradas	1	1	1	1
Número de salidas	1	1	1	1
Número de derivaciones	4	4	4	4
Tipo de conexión	F (Opción QuiCoax)			
<b>MECÁNICA</b>				
Profundidad del producto	16 mm	16 mm	16 mm	16 mm
Altura del producto	38 mm	38 mm	38 mm	38 mm
Ancho del producto	103 mm	103 mm	103 mm	103 mm
Embalaje QTY	1	1	1	1
Peso neto	0,114kg	0,114kg	0,114kg	0,114kg



DQCF 412

## DQCF 616 · DQCF 620 · DQCF 624

REFERENCE	DQCF 616	DQCF 620	DQCF 624
CODE	142042	142043	142044
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	>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	QuiCoax	QuiCoax	QuiCoax
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

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



## DQCF 816 · DQCF 820 · DQCF 824

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 ±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		
Net Weight	0,177kg		

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





# MIXERS

## MQCF TS

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REFERENCE		MQCF TS	
Code		T31006	
Inputs		TER	SAT
Frequency range	MHz	5-862	950-2300
Insertion loss	dB	1	1,5
Rejection	dB	30	25
DC Pass	mA	-	500
Outputs	N°	1= TER + SAT	
Shielding factor		Class A +10dB	

- ✓ 2 Inputs TER-SAT
- ✓ Low insertion loss
- ✓ SAT inputs with DC pass



MQCF TS

# POWER SUPPLIES

REFERENCE		FA QCF 242
Code		053008
Outputs	N°	2
Frequency range	MHz	47-1000
Insertion loss	dB	<4
Output voltage	Vdc	24
Maximum current output	mA	150
Power supply	Vac	100/240
Dimensions	mm	62 x 60 x 22

## FA QCF 242

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- ✓ Switched power supplies
- ✓ Ultra-compact size
- ✓ Suitable for 80x80mm junction box
- ✓ Easy to install, just a few seconds
- ✓ High Protection zamak case
- ✓ Working led indicator



80x 80 mm junction box installation without F connectors



# POWER SUPPLIES

REFERENCE		FA QCF 242SC
Code		053009
Outputs	N°	2
Frequency range	MHz	47-862
Output voltage	dB	<4
Maximum current output	Vdc	24
Power supply	mA	150
Input voltage	Vac	100-240
Dimensions	mm	62 x 60 x 22

## FA QCF 242SC

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- ✓ Switched power supplies
- ✓ Ultra-compact size
- ✓ Switched power supply with removable terminal (without power cable).
- ✓ Easy to install, just a few seconds
- ✓ Zamak case high protection
- ✓ Working led indicator



Switched power supply with removable terminal (without power cable).

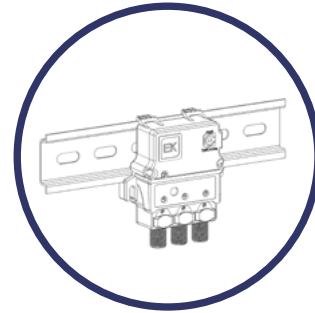


# MICRO INDOOR AMPLIFIERS

AA QCF 211 · AA QCF 182 · AA QCF 182 SC

REFERENCE		AA QCF 211	AA QCF 182	AA QCF 182 SC
Code		111016	111017	111018
Inputs	N.	1	1	1
Outputs	N.	1	2	2
Frequency Range	MHz	47 -694	47 -694	47 -694
Gain	dB	21	17	17
Regulation	dB	10	10	10
Output Level DIN 45004B	dBuV	114	2 x 110	2 x 110
Return Loss	dB	>10	>10	>10
Noise Figure	dB	<3	<3	<3
Power Supply	V	100-240	100-240	100-240*
Power Consumption	W	0,9	0,9	0,9

- ✓ Micro indoor amplifier
- ✓ Gain 17dB
- ✓ 2 outputs 110dBuV
- ✓ Without AC power cable. Direct connection with electrical cable terminal
- ✓ Easy to install



DIN rail mounting



AA QCF 211



AA QCF 182 SC

# MULTISWITCHES

## MS QCF 585 · MS QCF 58 · MS QCF 512

REFERENCE			MS QCF 585	MS QCF 58	MS QCF 512
Code			090042	090036	090037
Type	Cascade / Expansion		x		
	stand-alone/end-cascade			x	x
Inputs			5 (1x TER + 4x SAT)		
Outputs	User	Num.	8	8	12
	Cascade		5	-	-
Frequency range	TER	MHz	5 -790		
	SAT		950 - 2150		
Derivation losses	SAT	dB	0 ± 3	0 ± 3	0 ± 3
	TER		21 ± 2	21 ± 2	25 ± 2
Insertion loss trunk	SAT	dB	<3,5	-	-
	TER		<3	-	-
Maximum output level (DIN 45004B-35dBc)	SAT	dBμV	100	100	100
Isolation	Between inputs (SAT-SAT)	dB	>28	>28	>28
	Between inputs (SAT-TER)		>30	>30	>30
Power (external)	LNB	mA	210 (max) / LNB		
	Amplification TER		ON/OFF DC PASS		
	Line amplifiers (AMP)	Vdc	12		
External power consumption	LNBS	mA	210		
	Mast amplifier TER		70		
Consumption from STB	Multiswitch		< 40 / Active STB		
Working temperature		°C	-20...+60		
Dimensions (W x H x D)		mm	120 x 120 x 35	120 x 120 x 35	120 x 120 x 35

- ✓ Compact size
- ✓ Terrestrial band with passive return filter. Compatible with the **EKOAX** system for internet distribution via coaxial cable.
- ✓ Active satellite band.
- ✓ High output level
- ✓ Excellent linearity in all its bands and outputs.
- ✓ Optimized for LTE.
- ✓ 12Vdc power supply
- ✓ Selectable DC PASS ON/OFF on terrestrial line for pre-amplifiers
- ✓ Minimal consumption with user's receiver in stand-by mode
- ✓ Optimization of space and ease of work.
- ✓ Very high shielding factor
- ✓ Mechanics allow cables to be passed behind the equipment



# MULTISWITCHES

## MS QCF 516 · MS QCF 520

REFERENCE			MS QCF 516	MS QCF 520
Code			090038	090039
Type	stand-alone/ end-cascade		√	√
Inputs		Num.	5 (1x TER + 4x SAT)	
Outputs	User		16	20
Frequency range	TER	MHz	5 -790	
	SAT		950 - 2150	
Derivation losses	TER	dB	17 ± 2 (1-8)	17 ± 2 (1-8)
	TER		19 ± 2 (9-16)	20 ± 2 (9-20)
	TER		X	X
	SAT	0 ± 3 (1-8)	0 ± 3 (1-8)	
	SAT	3 ± 3 (9-16)	3 ± 3 (9-20)	
	SAT	X	X	
Maximum output level (DIN 45004B-35dBc)	SAT	dBμV	100	
Isolation	Between inputs (SAT-SAT)	dB	>28	>28
	Between inputs (SAT-TER)		>30	>30
Power (external)	LNB	mA	210 (max) / LNB	
	Amplification TER		ON/OFF DC PASS	
	Line amplifiers (AMP)	Vdc	12	
External power consumption	LNBs	mA	300	
	Mast amplifier TER		70	
Consumption from STB	Multiswitch		< 40 /Active STB	
Working temperature		°C	-20...+60	
Dimensions (W x H x D)		mm	243 x 120 x 35	243 x 120 x 35

- √ Compact size
- √ Terrestrial band with passive return filter. Compatible with the **EKOAX** system for internet distribution via coaxial cable.
- √ Active satellite band.
- √ High output level
- √ Excellent linearity in all its bands and outputs.
- √ Optimized for LTE.
- √ 12Vdc power supply
- √ Selectable DC PASS ON/OFF on terrestrial line for pre-amplifiers
- √ Minimal consumption with user's receiver in stand-by mode
- √ Optimization of space and ease of work.
- √ Very high shielding factor
- √ Mechanics allow cables to be passed behind the equipment



MS QCF 516

REFERENCE		MS QCF 515D	
Code		090043	
Inputs		5 (1x TER + 4x SAT)	
LNBS		1 x QUATTRO 2 x Wideband	
Outputs	User	1 x 16 DCSS	
	Cascade	5	
Frequency range	TER	MHZ	5 -790
	SAT	MHZ	950 - 2150 (QUATTRO LNB) 300 - 2350 (Wideband LNB)
Tap gain	SAT		+29
Derivation losses	TER	dB	12
	SAT	dB	<3,5
Insertion loss trunk	TER	dB	<3
	SAT	dB $\mu$ V	106
Maximum input level	SAT	dB $\mu$ V	88
Isolation	Between inputs (SAT-SAT)	dB	>25
	Between inputs (SAT-TER)	dB	>25
Power (external)	LNB	Vdc	12 / 13 - 18 (STB)
	Amplification TER		ON/OFF DC PASS
	Line amplifiers (AMP)	Vdc	12
External power consumption	LNBS		300 max.
	TER Amplifier	mA	70
Consumption from STB	Multiswitch		< 40 / STB Activo
Work temperature		°C	-20...+60
Dimensions (W x H x D)		mm	120 x 120 x 35

## MS QCF 515D

- ✓ Compact size
- ✓ Terrestrial band with passive return filter. Compatible with the **EKOAX** system for internet distribution via coaxial cable.
- ✓ High output level
- ✓ Optimized for LTE.
- ✓ 12Vdc power supply
- ✓ They allow the power supply of pre-amplifiers by means of the ON / OFF switch.
- ✓ Optimization of space and ease of work.
- ✓ Very high shielding factor
- ✓ Mechanics allow cables to be passed behind the equipment
- ✓ 16 Users on one cable



MS QCF 515D

# MULTISWITCHES

REFERENCE		MS QCF 515D	
Code		090043	
Inputs		5 (1x TER + 4x SAT)	
LNBs		1 x QUATTRO 2 x Wideband	
Outputs	User	1 x 16 DCSS	
	Cascade	5	
Frequency range	TER	MHz	5 -790
	SAT		950 - 2150 (QUATTRO LNB) 300 - 2350 (Wideband LNB)
Tap gain	SAT	dB	+29
Derivation losses	TER		12
Insertion loss trunk	SAT	dB	<3,5
	TER		<3
Maximum input level	SAT	dBuV	106
Maximum output level	SAT		88
Isolation	Between inputs (SAT-SAT)	dB	>25
	Between inputs (SAT-TER)		>25
Power (external)	LNB	Vdc	12 / 13 - 18 (STB)
	Amplification TER		ON/OFF DC PASS
	Line amplifiers (AMP)	Vdc	12
External power consumption	LNBs	mA	300 max.
	TER Amplifier		70
Consumption from STB	Multiswitch		< 40 / STB Activo
Work temperature		°C	-20...+60
Dimensions (W x H x D)		mm	120 x 120 x 35

REFERENCE		LNB WB 1040
Code		022027
Type		Wide band
Input Frequency Range	GHz	10.70 - 12,75
Output Frequency Range	MHz	300-2350
Frequency O.L.	GHz	10,40
Stability O.L.	MHz	±1 (-40...+60°C)
Cross-Polarization Isolation	dB	>25
Gain	dB	60 max
Noise Figure	dB	1,0 max
Power supply voltage	Vdc	12 - 19
Consumption	mA	60
Operating temperature	°C	-40...+60
Screening Lte 4G/5G		✓

REFERENCE	CODE	DESCRIPTION
FA 1210	071006	Power Supply 12V / 1A

## KIT MS QCF 515D

### MS QCF 515D

- ✓ Includes MS QCF 515D, FA 1210 and LNB WB 1040
- ✓ Compact size
- ✓ 1 dCSS output for 16 users
- ✓ Terrestrial band with passive return filter.  
Compatible with the **EKOAX** y **GIGAEXOAX** system for internet distribution via coaxial cable.
- ✓ High output level
- ✓ Optimized for LTE.
- ✓ 12Vdc power supply
- ✓ They allow the power supply of pre-amplifiers by means of the ON / OFF switch.
- ✓ Optimization of space and ease of work.
- ✓ Very high shielding factor
- ✓ Mechanics allow cables to be passed behind the equipment
- ✓ 16 Users on one cable

### LNB WB 1040

- ✓ Wideband LNBs
- ✓ 2 satellite V/H
- ✓ Low power consumption
- ✓ High cross-polarization
- ✓ High frequency stability
- ✓ Screening Lte 4G/5G



MS QCF 515D + LNB WB 1040 + FA 1210



# MULTISWITCHES

## MS QCF 989 · MS QCF 98 · MS QCF 916

REFERENCE			MS QCF 989	MS QCF 98	MS QCF 916
Code			090044	090045	090038
Type	Cascade / Expansion		x		
	Star / Waterfall End			x	x
Inputs			9 (1x TER + 8x SAT)		
Outputs	User	Num.	8	8	16
	Cascade		9	-	-
Frequency range	TER	MHz	5 - 790		
	SAT		950 - 2150		
Derivation losses	SAT	dB	0 ± 3	0 ± 3	0 ± 3
	TER		23 ± 2	16 ± 2	21 ± 2
Insertion loss trunk	SAT	dB	<3,5	-	-
	TER		<3	-	-
Maximum output level (DIN 45004B-35dBc)	SAT	dBμV	100	100	100
Isolation	Between inputs (SAT-SAT)	dB	>28	>28	>28
	Between inputs (SAT-TER)		>30	>30	>30
Power supply (12 Vdc external)	LNB	mA	600 (max) / LNB		
	TER		ON/OFF		
	Line amplifiers (AMP)	Vdc	12		
Consumption from STB	Multiswitch	mA	< 40 / STB active		
Work temperature		°C	-20...+60		

- √ QuiCoax connection system
- √ Compact size
- √ Terrestrial band with passive return filter.  
Compatible with the **EKOAX** system for internet distribution via coaxial cable.
- √ Active satellite band.
- √ High output level
- √ Excellent linearity in all its bands and outputs.
- √ Optimized for LTE.
- √ 12Vdc power supply
- √ They allow the power supply of pre-amplifiers by means of the ON / OFF switch.
- √ Minimum consumption of the multiswitch when the receiver of a user output goes into stand-by.
- √ Optimization of space and ease of work.
- √ Very high shielding factor
- √ Mechanics allow cables to be passed behind the equipment



# AMPLIFICADORES DE CASCADA

## AMP QCF 55 · AMP QCF 99

REFERENCE			AMP QCF 55	AMP QCF 99
Code			090047	0900
Inputs			5 (1x TER + 4x SAT)	9 (1x TER + 8x SAT)
Outputs	User	Num.	-	
	Cascade		5	9
Frequency Range	Return path	MHz	5-65	
	TER		88 - 790	
	SAT		950 - 2150	
Gain	Return path	dB	-	-
	TER		20	20
	SAT		23	23
Regulation	Return path	dB	-	-
	TER		0-10	0-10
	SAT		0-10	0-10
Tilt (Fixed)	TER	dB	0-10	0-10
	SAT		4	4
Maximum input level	TER	dB $\mu$ V	84	84
	SAT		87	87
Maximum output level (DIN 45004B-35dBc)	TER	dB $\mu$ V	104	104
	SAT		110	110
Return loss	SAT	dB	>8	>8
	TER		10 (typ)	10 (typ)
Isolation	SAT-SAT	dB	>30	>30
	SAT-TER		>35	>35
Amplificator feeding	Remotelly fed	Vdc	12	12
	Connected to PSU			
Consumption		mA	200	300
Working temperature		°C	-20...+45	

- ✓ Compact size
- ✓ Independent amplification for each satellite and terrestrial input
- ✓ Optional external power supply
- ✓ Remote power supply option from another multi-switch
- ✓ Excellent linearity in all bands
- ✓ Incorporated tilt to compensate the coaxial cable high frequency attenuation
- ✓ Terrestrial band with passive return filter. Compatible with the **EKOAX** system for internet distribution via coaxial cable.
- ✓ Very high shielding factor
- ✓ Mechanics allow cables to be passed behind the equipment



AMP QCF 55



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