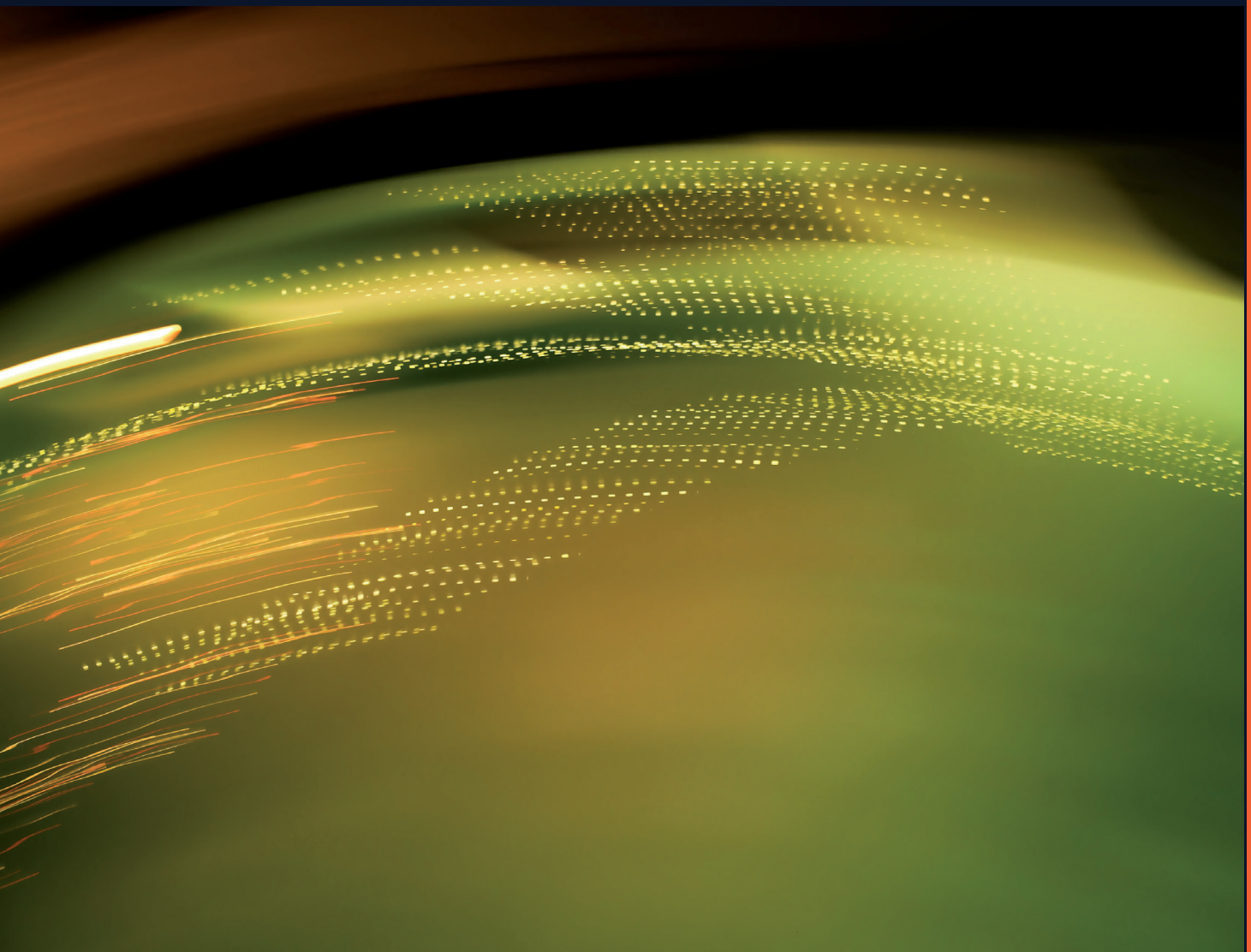


Scan— Antenna®

QUALITY MATTERS



PASSIVE DEVICES

CONTENT

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Products

Connectivity matters



FR-70

375 – 512 MHz
UHF – Reject Filter

Frequency	375–512 MHz
Power	50 W
Insertion loss	≤ 1.0 dB
Connector	N (female)



FP-703

375 – 512 MHz
UHF – Band Pass Filter

Frequency	375–512 MHz
Power	50 W
Insertion loss	FP-7034: ≤ 1.3 dB FP-7035: ≤ 2.0 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
FR-70	375–512		FR-7033 FR-7033-IN FR-7033-SU
FP-703	375–512	FP-7034: 2.0 MHz FP-7035: 0.5 MHz	FP-7034 FP-7035

FP-706

375 – 512 MHz

UHF – Band Pass Filter

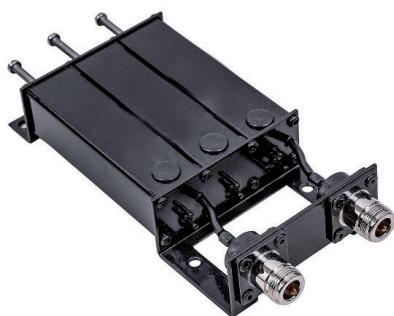


Frequency	375–512 MHz
Power	50 W
Insertion loss	FP-7034: ≤ 1.3 dB FP-7035: ≤ 2.0 dB
Connector	N (female)

FP-234

134–175 MHz

VHF – Helical Band Pass Filter



Frequency	134–175 MHz
Power	50 W
Insertion loss	FP-234: ≤ 1.1 dB FP-234-A: ≤ 0.8 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
FP-706	375–512	FP-7064: 5.0 MHz	FP-7064
FP-234	136–174	FP-234: 1.0 MHz FP-234-A: 5.0 MHz	FP-234 FP-234-A

FP-236

134-175 MHz

VHF - Helical Band Pass Filter



Frequency	134-175 MHz
Power	50 W
Insertion loss	≤ 1.5 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
FP-236	134-175	FP-236: 5.0 MHz	FP-264



CR-2-150

134-174 MHz

VHF - Single Cavity reject Filter



Frequency	134-174 MHz
Power	500 W
Insertion loss	0.5 - 2.0 dB
Connector	N (female)

CR-3-150

88-108 MHz

VHF - Single Cavity reject Filter



Frequency	88-108 MHz
Power	500 W
Insertion loss	0.5 - 2.0 dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
CR-2-150	134-174		CR-2-AQ
CR-3-150	88-108		CR-3-AQ



CR-4-150

66-88 MHz

VHF – Single Cavity reject Filter

Frequency	66-88 MHz
Power	500 W
Insertion loss	0.5 – 2.0 dB
Connector	N (female)



CR-70-150

375 – 512 MHz

UHF – Single Cavity reject Filter

Frequency	375-512 MHz
Power	500 W
Insertion loss	0.5 – 2.0 dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
CR-4-150	66-88		CR-4-AQ
CR-70-150	375-512		CR-70AQ



CP-2-150

134-174 MHz

VHF -Cavity Band Pass Filter

Frequency	134-174 MHz
Power	150 W
Insertion loss	0.5 – 2.0 dB
Connector	N (female)



CP-3-150

88-108 MHz

VHF – Single Cavity Band Pass Filter

Frequency	88-108 MHz
Power	500 W
Insertion loss	0.5 – 2.0 dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
CP-2-150	134-174		CP-2-AQ
CP-3-150	88-108		CP-3-AQ



CP-BA-150

66-88 MHz

VHF – Single Cavity Band Pass Filter

Frequency	108-136 MHz
Power	500 W
Insertion loss	0.5 – 2.0 dB
Connector	N (female)



CP-70-150

375 – 512 MHz

UHF – Single Cavity Band Pass Filter

Frequency	375-512 MHz
Power	500 W
Insertion loss	0.5 – 2.0 dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
CP-BA-150	108-136		CP-BA-AQ
CP-70-150	375-512		CP-70AQ



DUPT-56

33-66 MHz

6-Cavity 150 Watts VHF Low 50 MHz Duplex Filter

Frequency	33-66 MHz
Power	150 W
Insertion loss	≤ 0.8 dB
Connector	N (female)



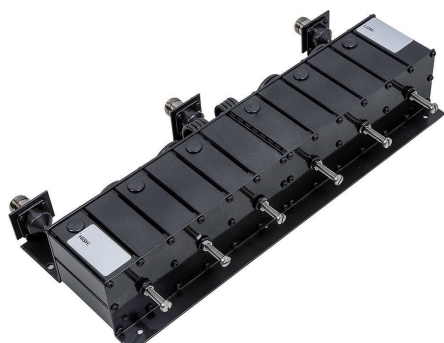
DUPT-46

66-88 MHz

6-Cavity 150 Watts VHF Low 80 MHz Duplex Filter

Frequency	66-88 MHz
Power	150 W
Insertion loss	≤ 0.6 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
DUPT-56	33-44	5 MHz, Not tuned	DUPT-562-L
DUPT-56	44-55	5 MHz, Not tuned	DUPT-562-M
DUPT-56	55-66	5 MHz, Not tuned	DUPT-562-H
DUPT-46	66-77	5 MHz	DUPT-462-L
DUPT-46	66-77	10 MHz	DUPT-460-L
DUPT-46	77-88	5 MHz	DUPT-462-H
DUPT-46	77-88	10MHz	DUPT-460-H



DUPT-26

136-175 MHz

6-Cavity 150 Watts VHF 150 MHz Duplex Filter

Frequency	136-175 MHz
Power	150 W
Insertion loss	4-7 MHz: ≤ 0.8 dB 8-12 MHz: ≤ 0.6 dB Multi Channel: ≤ 1.0 dB
Connector	N (female)



DUPT-706

375 - 512 MHz

6-Cavity 150 Watts UHF 400 MHz Duplex Filter

Frequency	375-512 MHz
Power	150 W
Insertion loss	5.0 MHz: ≤ 1.0 dB 10 MHz: ≤ 0.8 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
DUPT-26	144-162	4-7 MHz	DUPT-262-L
DUPT-26	144-162	8-12 MHz	DUPT-260-L
DUPT-26	150-172	4-7 MHz	DUPT-262-M
DUPT-26	158-175	4-7 MHz	DUPT-262-H
DUPT-26	158-175	8-12 MHz	DUPT-260-H
DUPT-706	375-400	8-13 MHz	DUPT-7062-T
DUPT-706	400-440	5-8 MHz	DUPT-7065-L
DUPT-706	400-440	8-13 MHz	DUPT-7062-L
DUPT-706	440-475	5-8 MHz	DUPT-7065-H
DUPT-706	440-475	8-13 MHz	DUPT-7062-H



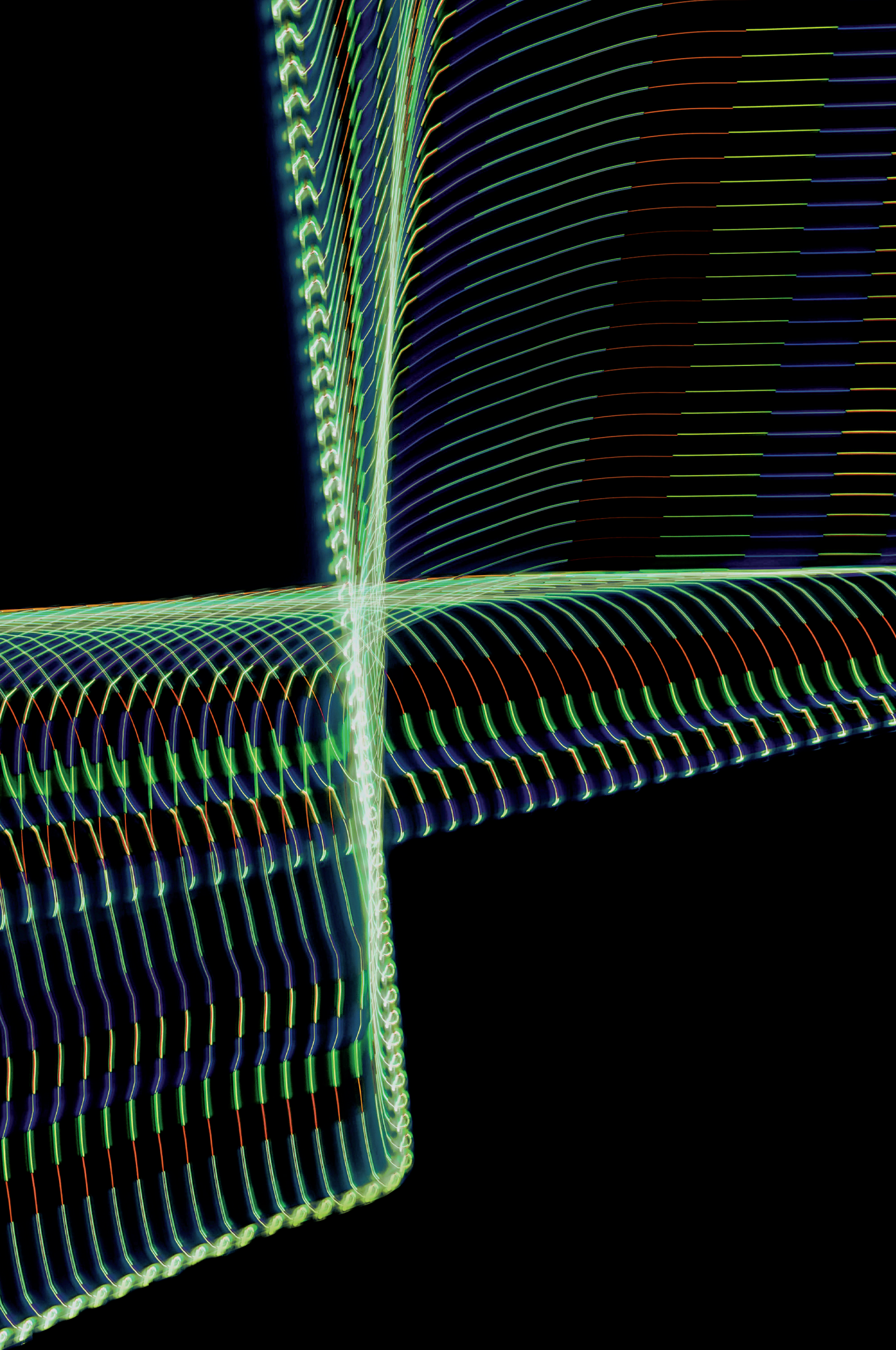
DUPT-606

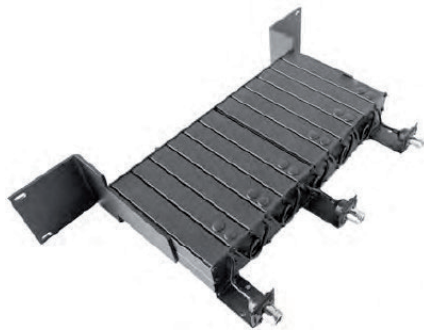
475-512 MHz

6-Cavity 150 Watts UHF High 500 MHz Duplex Filter

Frequency	475-512 MHz
Power	150 W
Insertion loss	≤ 1.0 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
DUPT-606	475-512	10 MHz Not tuned	DUPT-6062
DUPT-606	475-512	10 MHz Not tuned For Rack Mounting	DUPT-6062-R



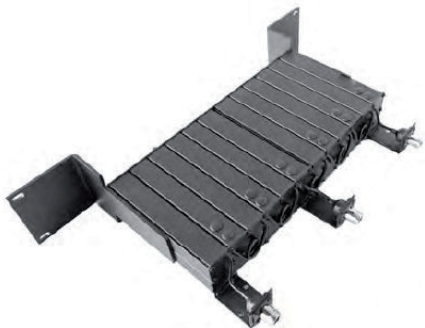


DUPT-56-R

33-66 MHz

6-Cavity 150 Watts VHF Low 50 MHz Duplex Filter

Frequency	33-66 MHz
Power	150 W
Insertion loss	≤ 0.8 dB
Connector	N (female)



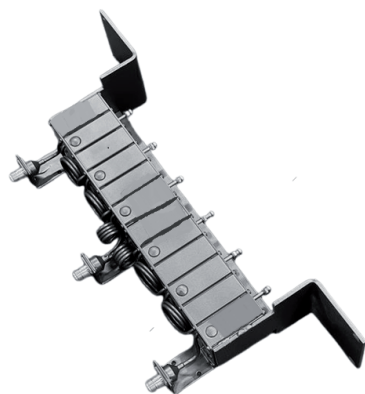
DUPT-46-R

66-88 MHz

6-Cavity 150 Watts VHF Low 80 MHz Duplex Filter

Frequency	66-88 MHz
Power	150 W
Insertion loss	≤ 0.6 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
DUPT-56	33-44	5 MHz, Not tuned	DUPT-562-L R
DUPT-56	44-55	5 MHz, Not tuned	DUPT-562-M R
DUPT-56	55-66	5 MHz, Not tuned	DUPT-562-H R
DUPT-46	66-77	5 MHz	DUPT-462-L R
DUPT-46	66-77	10 MHz	DUPT-460-L R
DUPT-46	77-88	5 MHz	DUPT-462-H R
DUPT-46	77-88	10MHz	DUPT-460-H R



DUPT-26-R

136-175 MHz

6-Cavity 150 Watts VHF 150 MHz Duplex Filter

Frequency	136-175 MHz
Power	150 W
Insertion loss	4-7 MHz: ≤ 0.8 dB 8-12 MHz: ≤ 0.6 dB Multi Channel: ≤ 1.0 dB
Connector	N (female)



DUPT-706-R

375 - 512 MHz

6-Cavity 150 Watts UHF 400 MHz Duplex Filter

Frequency	375-512 MHz
Power	150 W
Insertion loss	5.0 MHz: ≤ 1.0 dB 10 MHz: ≤ 0.8 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
DUPT-26	144-162	4-7 MHz	DUPT-262-L R
DUPT-26	144-162	8-12 MHz	DUPT-260-L R
DUPT-26	150-172	4-7 MHz	DUPT-262-M R
DUPT-26	158-175	4-7 MHz	DUPT-262-H R
DUPT-26	158-175	8-12 MHz	DUPT-260-H R
DUPT-706	375-400	8-13 MHz	DUPT-7062-T R
DUPT-706	400-440	5-8 MHz	DUPT-7065-L R
DUPT-706	400-440	8-13 MHz	DUPT-7062-L R
DUPT-706	440-475	5-8 MHz	DUPT-7065-H R
DUPT-706	440-475	8-13 MHz	DUPT-7062-H R

DU-56

33-66 MHz

6-Cavity 50 Watts VHF Low 50 MHz Duplex Filter

Frequency	L: 33 – 44 MHz M: 44 – 55 MHz H: 55 – 66 MHz
Power	50 W
Insertion loss	≤ 1.0 dB
Connector	N (female)

DU-46

66-88 MHz

6-Cavity 50 Watts VHF Low 80 MHz Duplex Filter

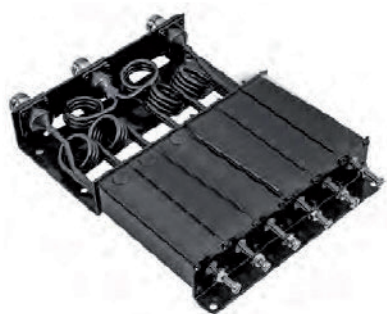
Frequency	L: 66 – 77MHz H: 77 – 88 MHz
Power	50 W
Insertion loss	5.0 MHz: ≤ 1.0 dB 10 MHz: ≤ 0.6 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
DU-56	33-44	5 MHz, Not tuned	DU-562-L
DU-56	44-55	5 MHz, Not tuned	DU-562-M
DU-56	55-66	5 MHz, Not tuned	DU-562-H
DU-46	66-77	5 MHz	DU-462-L
DU-46	66-77	10 MHz	DU-460-L
DU-46	77-88	5 MHz	DU-462-H
DU-46	77-88	10Mhz	DU-460-H

DU-26

136-175 MHz

6-Cavity 150 Watts VHF 150 MHz Duplex Filter



Frequency	136-175 MHz
Power	50 W
Insertion loss	4-7 MHz: ≤ 0.8 dB 8-12 MHz: ≤ 0.6 dB Multi Channel: ≤ 1.0 dB
Connector	N (female)

DU-706

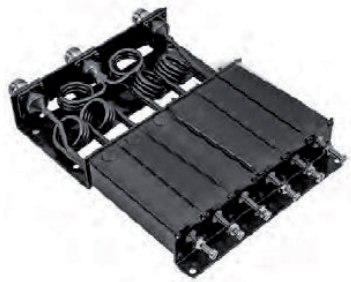
400 - 512 MHz

6-Cavity 50 Watts UHF 450 MHz Duplex Filter



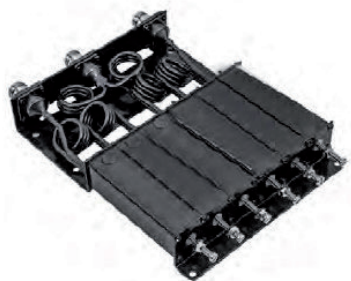
Frequency	400-512 MHz
Power	50 W
Insertion loss	5-8 MHz: ≤ 1.5 8-13 MHz: ≤ 1.2 Multi Channel: ≤ 1.5 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
DU-26	134-150	4-7 MHz	DU-262-LL
DU-26	144-160	4-7 MHz	DU-262-L
DU-26	144-160	8-12 MHz	DU-260-L
DU-26	152-172	4-7 MHz	DU-262-M
DU-26	160-174	4-7 MHz	DU-262-H
DU-26	160-174	8-12 MHz	DU-260-H
DU-26	175-190	4-7 MHz	DU262-HH
DU-706	375-400	8-13 MHz	DU-7062-T
DU-706	400-440	5-8 MHz	DU-7065-L
DU-706	400-440	8-13 MHz	DU-7062-L
DU-706	440-475	5-8 MHz	DU-7065-H
DU-706	440-475	8-13 MHz	DU-7062-H



DU-16
220-360 MHz
6-Cavity 50 Watts VHF High 200 MHz
Duplex Filter

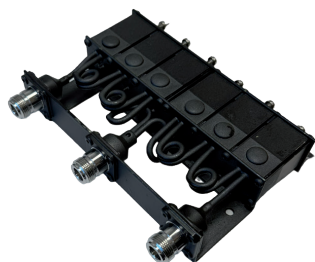
Frequency	T: 220 – 240 MHz H: 230 – 250 MHz S: 300 –360 MHz
Power	50 W
Insertion loss	≤ 1.5 dB
Connector	N (female)



DU-165
300-360 MHz
6-Cavity 50 Watts UHF Low 350 MHz
Duplex Filter

Frequency	300-360 MHz
Power	50 W
Insertion loss	≤ 1.2 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
DU-16	220-240	1,5 MHz,	DU-1615-T
DU-16	220-240	6 MHz	DU-162-T
DU-16	230-250	6 MHz,	DU-162-H
DU-16	340-360	5 MHz	DU-165-S
DU-165	300-360	5 MHz	DU-165-S
DU-165	300-360	10 MHz	DU-165-H

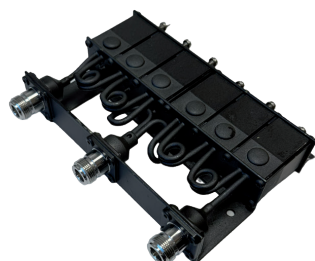


MI-26

144-162 MHz

6-Cavity 50 Watts VHF 150 MHz Duplex Filter

Frequency	144-162 MHz
Power	25 W
Insertion loss	5 MHz: ≤ 1.5 dB 10 MHz: ≤ 1.2 dB
Connector	N (female)



MI-706

400-475 MHz

6-Cavity 25 Watts UHF 450 MHz Mini-plexer

Frequency	400-475 MHz
Power	25 W
Insertion loss	5 MHz: ≤ 1.5 dB 10 MHz: ≤ 1.2 dB
Connector	N (female)

Model	Frequency (MHz)	Bandwidth	Item no.
MI-26	144-162	5 MHz	MI-262-L
MI-26	144-162	10 MHz	MI-260-L
MI-26	158-175	5 MHz	MI-262-H
MI-26	158-175	10 MHz	MI-26-H
MI-706	380-400	10 MHz	MI-7062-T
MI-706	400-440	5 MHz	MI-7065-L
MI-706	440-475	10 MHz	MI-7062-H
MI-706	400-440	10 MHz	MI-7062-L
MI-706	440-475	5 MHz	MI-7065-H



UL-706

400–475 MHz

25 Watts UHF 450 MHz Ultraplexer

Frequency	L: 400 – 440 MHz H: 440 – 475 MHz
Power	25 W
Insertion loss	≤ 1.5 dB
Connector	SMA-female



UL-708

380–395 MHz

25 Watts UHF 390 MHz Ultraplexer

Frequency	380–395 MHz
Power	25 W
Insertion loss	≤ 1.9 dB
Connector	SMC-female

Model	Frequency (MHz)	Bandwidth	Item no.
UL-706	380–385 390–395		UL-7085
UL-706	400–440	10 MHz, Not tuned	UL-7062-L
UL-706	440–475	10 MHz, Not tuned	UL-7062-H
UL-708	380–395	5 MHz	UL-7085



DC-2-150

136-174 MHz

VHF 150 MHz Cavity Duplex Filter

Frequency	136-174 MHz
Power	150 W
Insertion loss	DC-2AQ: < 1.5 dB DC-2AQS: < 2.0 dB
Connector	N (female)



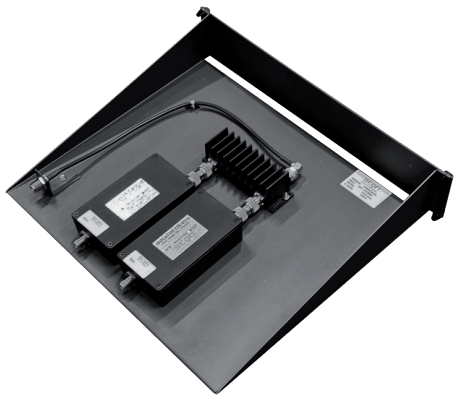
DC-70-150

380-512 Mhz

UHF 450 MHz Cavity Duplex Filter

Frequency	400-475 MHz
Power	150 W
Insertion loss	DC-2AQ: < 1.5 dB DC-2AQS: < 2.0 dB
Connector	N (female)

Model	Frequency (MHz)	Spacing	Item no.
DC-2-150 (4 cavities)	136-175	>0,5 MHz	DC-2AQ
DC-2-150 (6 cavities)	136-175	>0,3 MHz	DC-2AQS
DC-70-150 (4 cavities)	380-512	>1,0 MHz	DC-70AQ
DC-70-150 (6 cavities)	380-512	>0,8 MHz	DC-70AQS

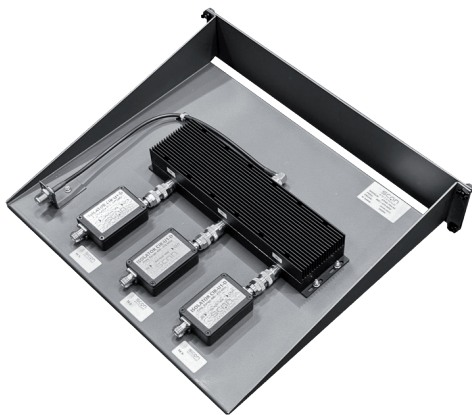


HC150-2

144-175 MHz

Hybrid 2 channel VHF TX Combiner

Frequency	144-175 MHz (Full bandwidth)
Power	100 W
Insertion loss	Single: < 4.0 dB Dual: < 4.8 dB
Connector	N (female)

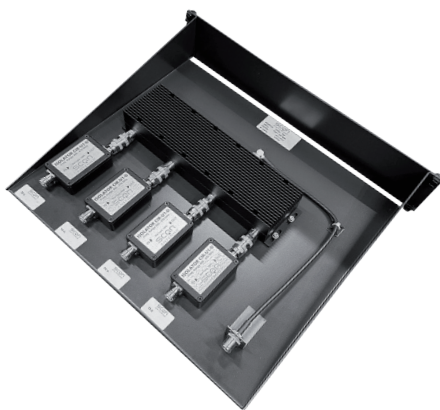


HC150-3

144-175 MHz

Hybrid 3 channel VHF TX Combiner

Frequency	144-175 MHz (Full bandwidth)
Power	100 W
Insertion loss	Single: < 6.0 dB Dual: < 6.7 dB
Connector	N (female)



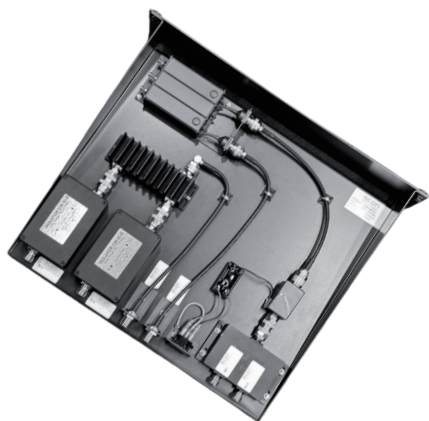
HC150-4

144-175 MHz

Hybrid 4 channel TX VHF Combiner

Frequency	144-175MHz (Full bandwidth)
Power	100 W
Insertion loss	Single: < 7.5 dB Dual: < 8.5 dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
HC150-2	144-175		See datasheet
HC150-3	144-175		See datasheet
HC150-4	144-175		See datasheet

**HCMR150-2***144-175 MHz*

Hybrid 2 channel VHF TX/RX Combiner

Frequency	144-175 MHz
Power	100 W
Insertion loss	Single: < 4.0 dB Dual: < 4.2 dB
Connector	N (female)

**HCMR150-3***144-175 MHz*

Hybrid 3 channel VHF TX/RX Combiner

Frequency	144-175 MHz
Power	100 W
Insertion loss	Single: < 6.1 dB Dual: < 6.4 dB
Connector	N (female)

HCMR150-4*144-175 MHz*

Hybrid 4 channel VHF TX/RX Combiner

Frequency	144-175 MHz
Power	100 W
Insertion loss	Single: < 7.8 dB Dual: < 8.1 dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
HCMR150-2	144-175		See datasheet
HCMR150-3	144-175		See datasheet
HCMR150-4	144-175		See datasheet



HCMR150-2-DU

144-175 MHz

Hybrid 2 channel VHF TX/RX Combiner & duplexer

Frequency	144 – 160 MHz 160 – 175 MHz
Power	50 W
Insertion loss	Single isolator: < 4.8 dB Dual isolator: < 5.1 dB
Connector	N (female)



HCMR150-3-DU

144-175 MHz

Hybrid 3 channel VHF TX/RX Combiner & duplexer

Frequency	144 – 160 MHz 160 – 175 MHz
Power	50 W
Insertion loss	Single: < 6.9 dB Dual: < 7.2 dB
Connector	N (female)



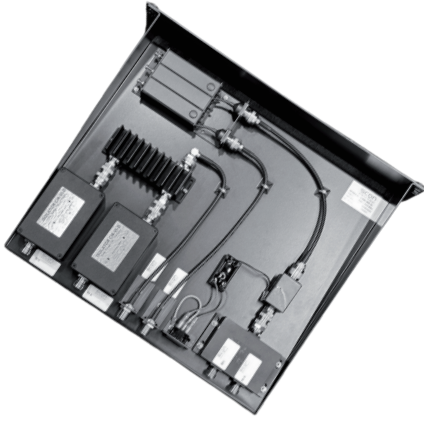
HCMR150-4-DU

144-175 MHz

Hybrid 4 channel VHF TX/RX Combiner & duplexer

Frequency	144 – 160 MHz 160 – 175 MHz
Power	50 W
Insertion loss	Single: < 8.6 dB Dual: < 8.9 dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
HCMR150-2-DU	144-175		See datasheet
HCMR150-3-DU	144-175		See datasheet
HCMR150-4-DU	144-175		See datasheet

**HCMR150-2-DUPT****144-175 MHz**

Hybrid 2 channel VHF TX/RX Combiner & duplexer HS

Frequency	144 – 162 MHz 158 – 175 MHz
Power	100 W
Insertion loss	Single: < 4.8 dB Dual: < 5.1dB
Connector	N (female)

**HCMR150-3-DUPT****144-175 MHz**

Hybrid 3 channel VHF TX/RX Combiner & duplexer HS

Frequency	144 – 162 MHz 158 – 175 MHz
Power	100 W
Insertion loss	Single: < 6.9 dB Dual: < 7.2dB
Connector	N (female)

HCMR150-4-DUPT**144-175 MHz**

Hybrid 4 channel VHF TX/RX Combiner & duplexer HS

Frequency	144 – 162 MHz 158 – 173 MHz
Power	100 W
Insertion loss	Single: < 8.6 dB Dual: < 8.9dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
HCMR150-2-DUPT	144-175		See datasheet
HCMR150-3-DUPT	144-175		See datasheet
HCMR150-4-DUPT	144-175		See datasheet

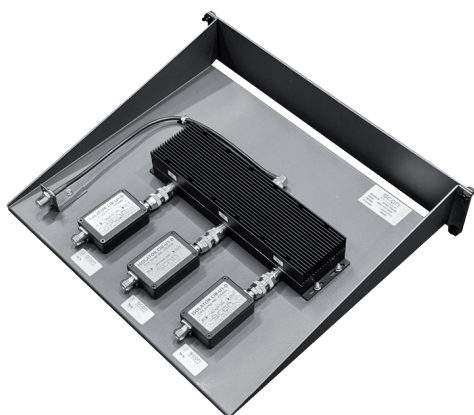


HC450-2

400-475 MHz

Hybrid 2 channel UHF TX Combiner

Frequency	400-475 MHz
Power	100 W
Insertion loss	Single: < 4.0 dB Dual: < 4.5 dB
Connector	N (female)

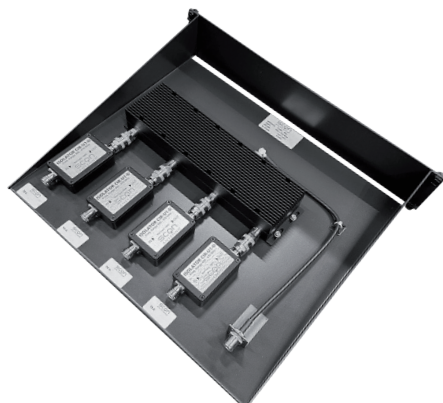


HC450-3

400-475 MHz

Hybrid 3 channel UHF TX Combiner

Frequency	400-475 MHz
Power	100 W
Insertion loss	Single: < 6.0 dB Dual: < 6.5 dB
Connector	N (female)



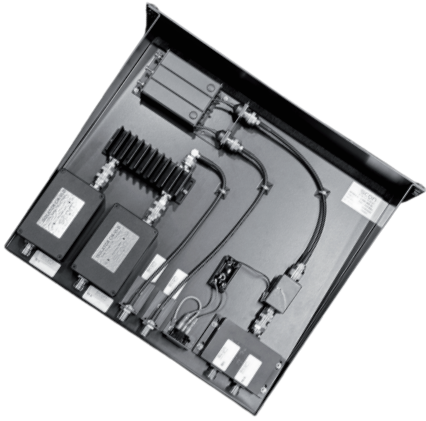
HC450-4

400-475 MHz

Hybrid 4 channel TX UHF Combiner

Frequency	400-475 MHz
Power	100 W
Insertion loss	Single: < 7.2 dB Dual: < 7.7 dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
HC450-2	400-475		See datasheet
HC450-3	400-475		See datasheet
HC450-4	400-475		See datasheet



HCMR450-2

400-475 MHz

Hybrid 2 channel UHF TX/RX Combiner

Frequency	400-475 MHz
Power	100 W
Insertion loss	Single: < 4.1 dB Dual: < 4.4 dB
Connector	N (female)



HCMR450-3

400-475 MHz

Hybrid 3 channel UHF TX/RX Combiner

Frequency	400-475 MHz
Power	100 W
Insertion loss	Single: < 5.8 dB Dual: < 6.1 dB
Connector	N (female)

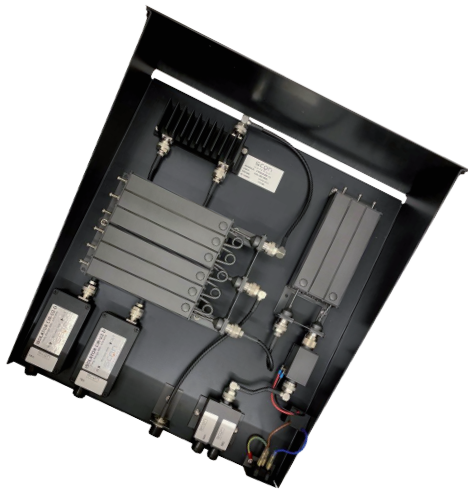
HCMR450-4

400-475 MHz

Hybrid 4 channel UHF TX/RX Combiner

Frequency	400-475 MHz
Power	100 W
Insertion loss	Single: < 7.8 dB Dual: < 8.1 dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
HCMR450-2	400-475		See datasheet
HCMR450-3	400-475		See datasheet
HCMR450-4	400-475		See datasheet



HCMR450-2-DU

400-475 MHz

Hybrid 2 channel UHF TX/RX Combiner & duplexer

Frequency	400 – 440 MHz 440 – 475 MHz
Power	50 W
Insertion loss	Single: < 4.9 dB Dual: < 5.2 dB
Connector	N (female)

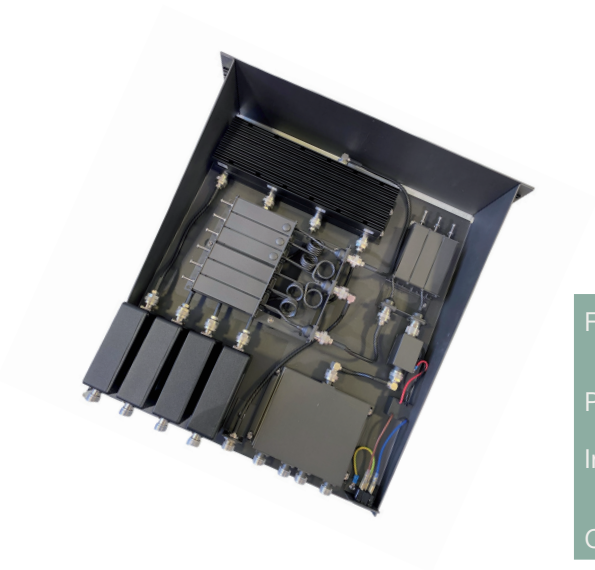


HCMR450-3-DU

400-475 MHz

Hybrid 3 channel UHF TX/RX Combiner & duplexer

Frequency	400 – 440 MHz 440 – 475 MHz
Power	50 W
Insertion loss	Single: < 6.6 dB Dual: < 6.9 dB
Connector	N (female)



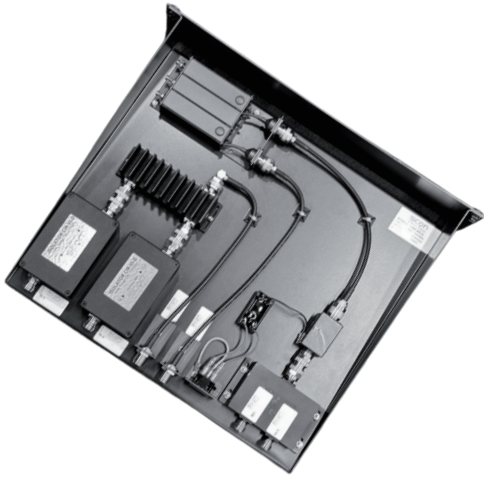
HCMR450-4-DU

400-475 MHz

Hybrid 4 channel UHF TX/RX Combiner & duplexer

Frequency	400 – 440 MHz 440 – 475 MHz
Power	50 W
Insertion loss	Single: < 8.6 dB Dual: < 8.9 dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
HCMR450-2-DU	400-475		See datasheet
HCMR450-3-DU	400-475		See datasheet
HCMR450-4-DU	400-475		See datasheet



HCMR450-2-DUPT

400-475 MHz

Hybrid 2 channel UHF TX/RX Combiner & duplexer HS

Frequency	400 – 440 MHz 440 – 475 MHz
Power	100 W
Insertion loss	Single: < 4.9 dB Dual: < 5.2dB
Connector	N (female)



HCMR450-3-DUPT

400-475 MHz

Hybrid 3 channel UHF TX/RX Combiner & duplexer HS

Frequency	400 – 440 MHz 440 – 475 MHz
Power	100 W
Insertion loss	Single: < 6.6 dB Dual: < 6.9 dB
Connector	N (female)

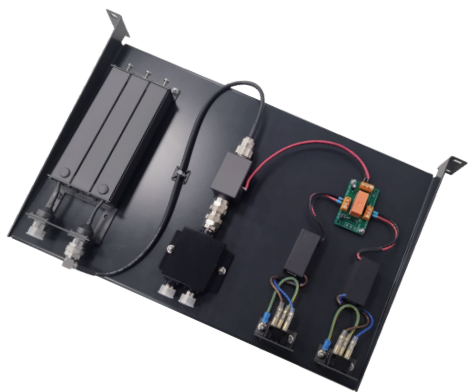
HCMR450-4-DUPT

400-475 MHz

Hybrid 4 channel UHF TX/RX Combiner & duplexer HS

Frequency	400 – 440 MHz 440 – 475 MHz
Power	100 W
Insertion loss	Single: < 8.6 dB Dual: < 8.9dB
Connector	N (female)

Model	Frequency (MHz)		Item no.
HCMR450-2-DUPT	400-475		See datasheet
HCMR450-3-DUPT	400-475		See datasheet
HCMR450-4-DUPT	400-475		See datasheet



MR-22

140-175 MHz
2CH VHF Multicoupler 1HU

Frequency	140-175 MHz
Power	+12 dBm
Insertion loss	
Connector	N (female)



MR-23

140-175 MHz
3CH VHF Multicoupler 1HU

Frequency	140-175 MHz
Power	+12 dBm
Insertion loss	
Connector	N (female)



MR-24

140-175 MHz
4CH VHF Multicoupler 1HU

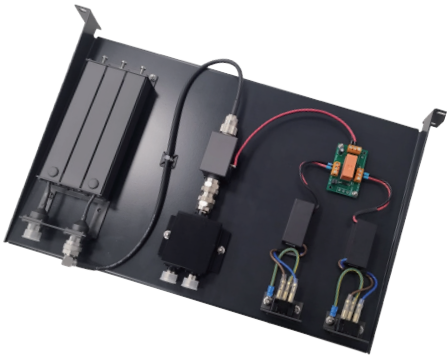
Frequency	140-175 MHz
Power	+12 dBm
Insertion loss	
Connector	N (female)

Model	Frequency (MHz)		Item no.
MR-22	140-175		See datasheet
MR-23	140-175		See datasheet
MR-24	140-175		See datasheet

MR-702

380-475 MHz

2CH UHF Multicoupler 1HU



Frequency	380-475 MHz
Power	+12 dBm
Insertion loss	
Connector	N (female)

MR-703

380-475 MHz

3 CH UHF Multicoupler 1HU



Frequency	380-475 MHz
Power	+12 dBm
Insertion loss	
Connector	N (female)

MR-704

380-475 MHz

4 CH UHF Multicoupler 1HU



Frequency	380-475 MHz
Power	+12 dBm
Insertion loss	
Connector	N (female)

Model	Frequency (MHz)		Item no.
HCMR450-2-DUPT	380-475		See datasheet
HCMR450-3-DUPT	380-475		See datasheet
HCMR450-4-DUPT	380-475		See datasheet



AC-0305

UHF Directional Coupler 200 Watts

Frequency	300–500 MHz
Insertion loss	AC-06-0305: <2.0 dB AC-10-0305: <1.2 dB AC-15-0305: <0.5 dB AC-20-0305: <0.5 dB AC-30-0305: <0.4 dB
Connector	N (female)



AC-0627

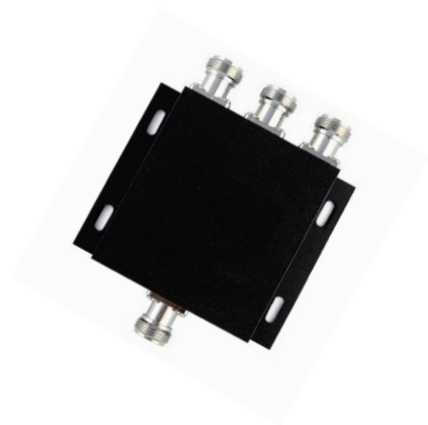
LTE Directional Coupler 50 Watts

Frequency	600–2700 MHz
Insertion loss	AC-06-0627: <2.0 dB AC-10-0627: <1.2 dB AC-15-0627: <0.5 dB AC-20-0627: <0.5 dB
Connector	N (female)

Model	Frequency (MHz)	Item no.
AC-0305 (6 dB)	300–500	AC-06-0305
AC-0305 (10 dB)	300–500	AC-10-0305
AC-0305 (15 dB)	300–500	AC-15-0305
AC-0305 (20 dB)	300–500	AC-20-0305
AC-0305 (30 dB)	300–500	AC-30-0305
AC-0627 (6 dB)	600–2700	AC-06-0627
AC-0627 (10 dB)	600–2700	AC-10-0627
AC-0627 (15 dB)	600–2700	AC-15-0627
AC-0627 (20 dB)	600–2700	AC-20-0627

SP-150

VHF 150 MHz Internal Splitter/Divider 50 Watt



Frequency	136–174 MHz
Insertion loss	SP-150-2: < 0.4 dB SP-150-3: < 0.5 dB SP-150-4: < 0.6 dB
Connector	N (female)

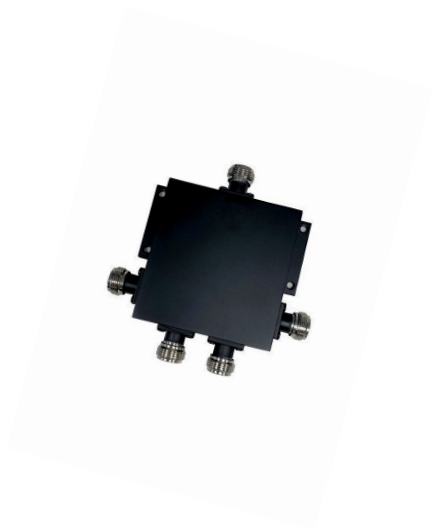
SP-0305

UHF 450 MHz Internal Splitter 50 Watt



Frequency	300–500 MHz
Insertion loss	SP-0305-2: <0.5 dB SP-0305-3: <0.6 dB SP-0305-4: <0.6 dB
Connector	N (female)

Model	Frequency (MHz)	Item no.
SP-150 (2 way)	136–174	SP-150-2
SP-150 (3 way)	136–174	SP-150-3
SP-150 (4 way)	136–174	SP-150-4
SP-0305 (2 way)	300–500	SP-0305-2
SP-0305 (3 way)	300–500	SP-0305-3
SP-0305 (4 way)	300–500	SP-0305-4



SP-0727

LTE Internal Splitter/Combiner 50 Watt

Frequency	600–2700 MHz
Insertion loss	SP-0727-2: < 0.5 dB SP-0727-3: < 0.6 dB SP-0727-4: < 0.6 dB
Connector	N (female)



SP-4

VHF 80 MHz External Splitter/Divider
300 Watt

Frequency	66–88 MHz
Insertion loss	< 0.2 dB
Connector	N (female)

Model	Frequency (MHz)	Item no.
SP-0727 (2 way)	600–2700	SP-0727-2
SP-0727 (3 way)	600–2700	SP-0727-3
SP-0727 (4 way)	600–2700	SP-0727-4
SP-4 (2 way)	66–88	SP-4-2
SP-4 (3 way)	66–88	SP-4-3
SP-4 (4 way)	66–88	SP-4-4

SP-BA

AIR Band External Splitter/Divider 300 Watt



Frequency	118–136 MHz
Insertion loss	< 0.2 dB
Connector	N (female)

SP-2

VHF 150 MHz External Splitter/Divider 300 Watt



Frequency	136–175 MHz
Insertion loss	< 0.2 dB
Connector	N (female)

Model	Frequency (MHz)	Item no.
SP-BA (2 way)	118–136	SP-BA-2
SP-BA (3 way)	118–136	SP-BA-3
SP-BA (4 way)	118–136	SP-BA-4
SP-2 (2 way)	136–175	SP-2-2
SP-2 (3 way)	136–175	SP-2-3
SP-2 (4 way)	136–175	SP-2-4



SP-1
VHF 230 MHz External Splitter/Divider
300 Watt

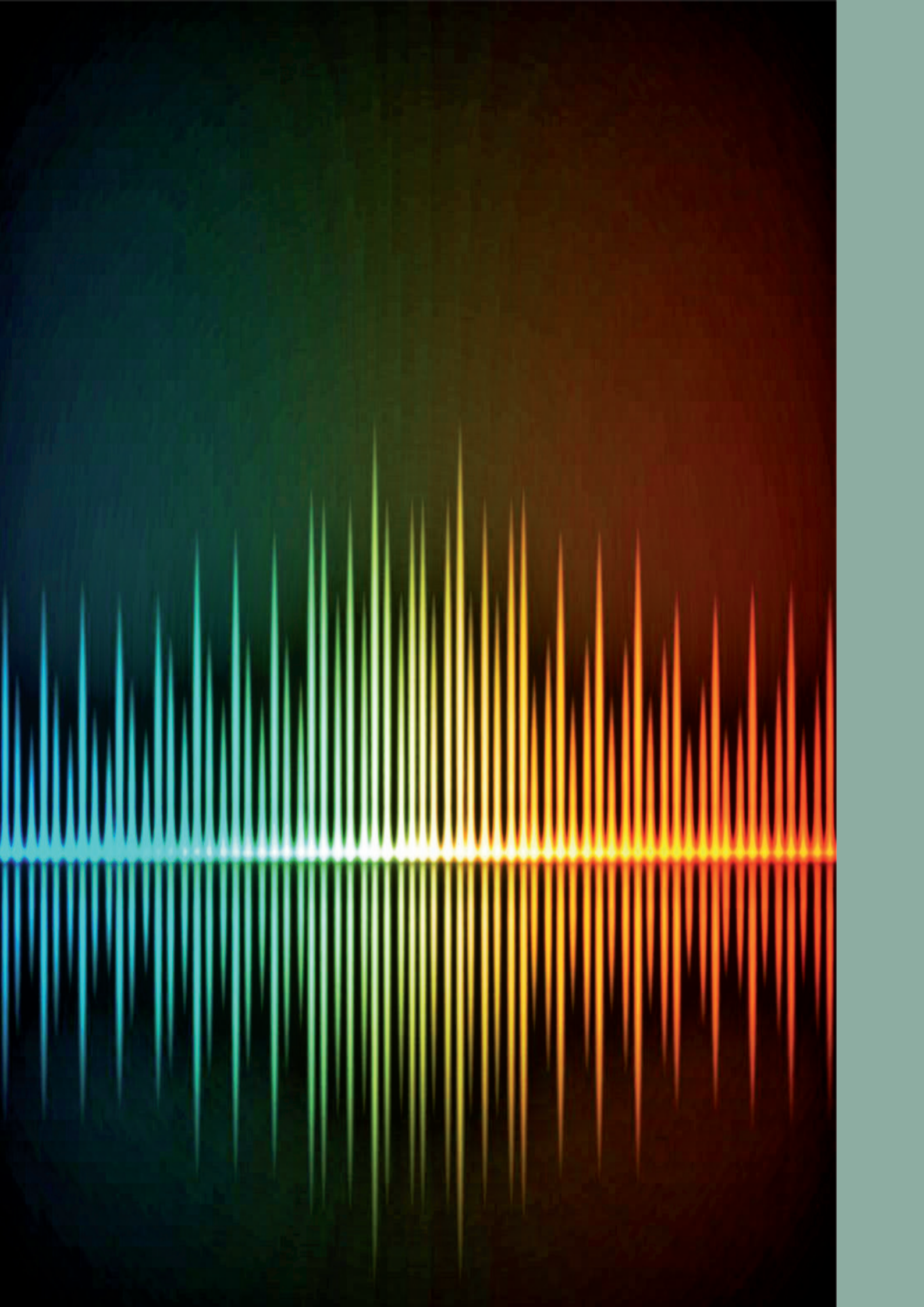
Frequency	220–250 MHz
Insertion loss	< 0.2 dB
Connector	N (female)



SP-70
UHF 450 MHz External Splitter 300 Watt

Frequency	380–475 MHz
Insertion loss	< 0.2 dB
Connector	N (female)

Model	Frequency (MHz)	Item no.
SP-1 (2way)	220–250	SP-1-2
SP-1 (3 way)	220–250	SP-1-3
SP-1 (4 way)	220–250	SP-1-4
SP-70 (2 way)	380–475	SP-70-2
SP-70 (3 way)	380–475	SP-70-3
SP-70 (4 way)	380–475	SP-70-4





CXW Series

0–3000 MHz

Coaxial End Load Series

Frequency	0–3000 MHz
Power	C5W-NM: 5 W C10W-NM: 10 W C25W-NM: 25 W C50W-NM: 50 W C100W-NM: 100 W
Connector	N (female)

AT1000 Series

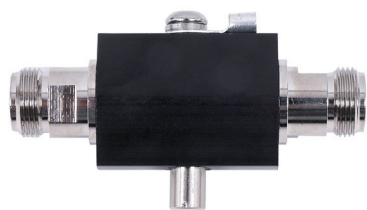
0–1000 MHz

Coaxial Attenuator Series



Frequency	0–1000 MHz
Power	50 W
Attenuation	3–40 dB
Connector	Type N-female and N-male

Model	Frequency (MHz)	Item no.
C5W-NM	0–3000	See datasheet
C10W-NM	0–3000	See datasheet
C25W-NM	0–3000	See datasheet
C50W-NM	0–3000	See datasheet
C100W-NM	0–3000	See datasheet
AT1000-03 dB	0–1000	See datasheet
AT1000-06 dB	0–1000	See datasheet
AT1000-10 dB	0–1000	See datasheet
AT1000-15 dB	0–1000	See datasheet
AT1000-20 dB	0–1000	See datasheet
AT1000-30 dB	0–1000	See datasheet
AT1000-40 dB	0–1000	See datasheet

**DES-BL23***0-2500 MHz*

Coaxial Surge Protector 230 VDC

Frequency	0-2500 MHz
Power	200 W
Connector	DES-BL23MH: N-male to N-female DES-BL23HH: N-female to N-female

**DES-BH27***0-2700 MHz*

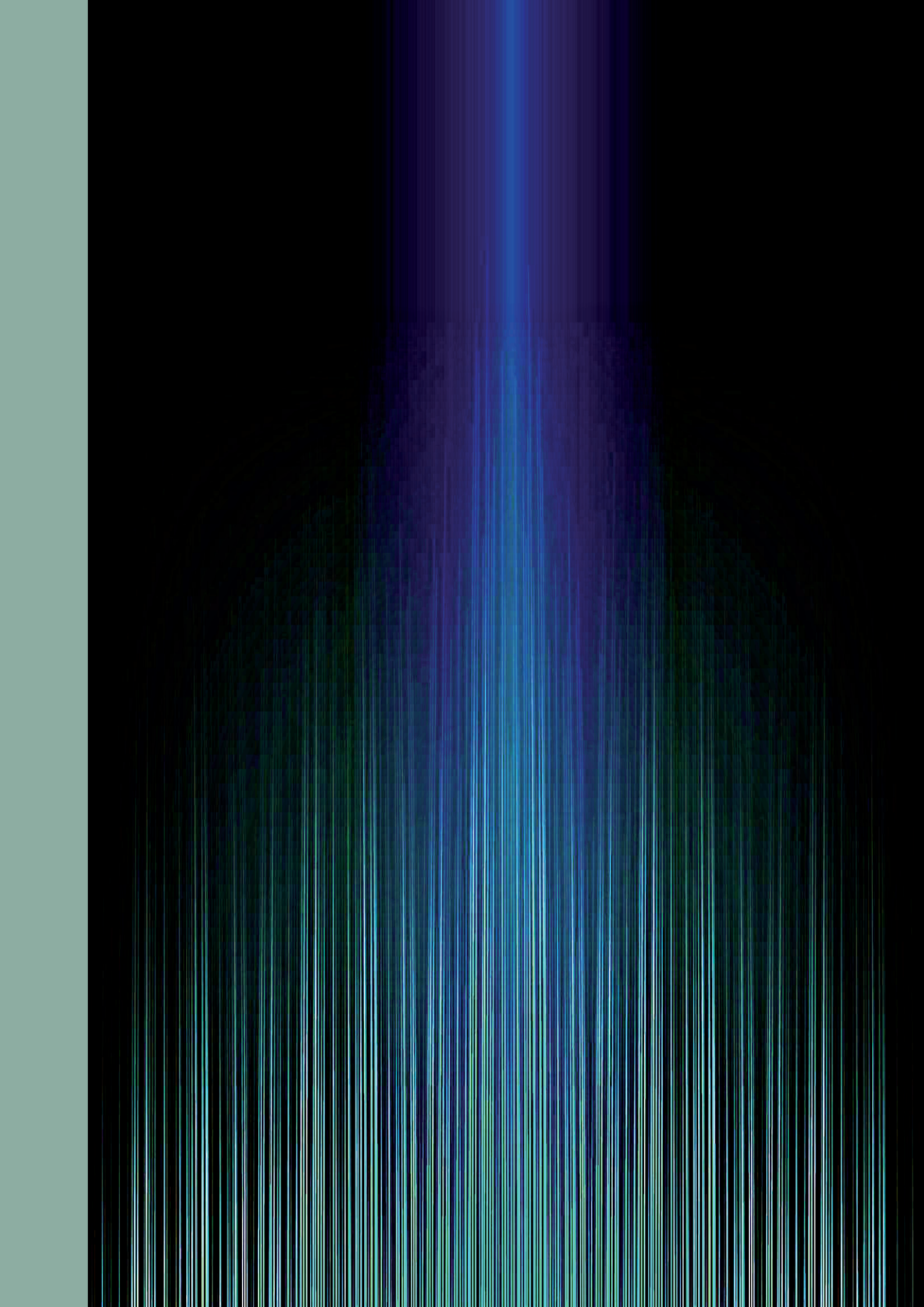
Coaxial Surge Protector 1000 VDC

Frequency	0-2700 MHz
Power	Max. 1000 V
Connector	N (female)

DES-LP19*Coaxial Surge Protector 230 VDC*

Frequency	0-6000 MHz
Power	230 VDC
Connector	N (male)

Model	Frequency (MHz)	Item no.
DES-BL23MH	0-2500	See datasheet
DES-BL-23HH	0-2500	See datasheet
DES-BH27MH	0-2700	See datasheet
DES-LP19	0-6000	See datasheet



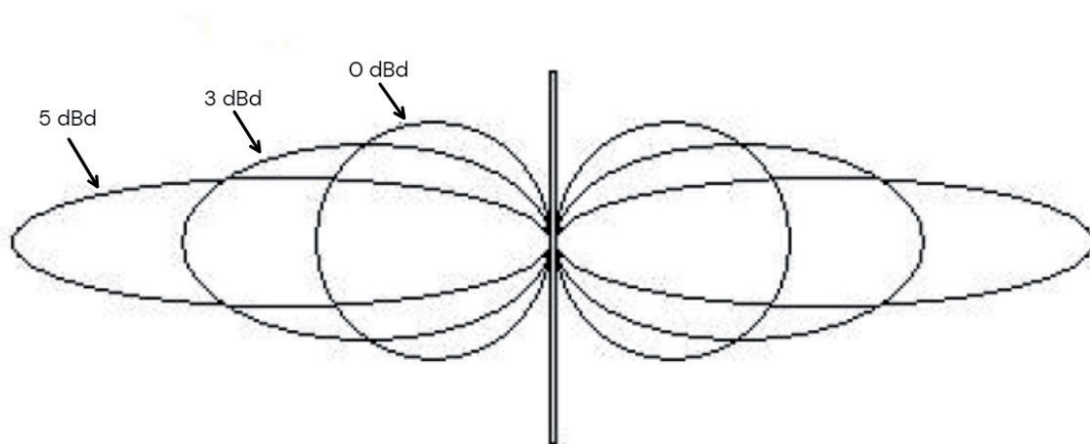
Gain Reference

Gain is one of the main parameters of an Antenna.

The gain of an Antenna is a figure stating how much energy the Antenna transmits/receives in the main direction compared to a reference Antenna

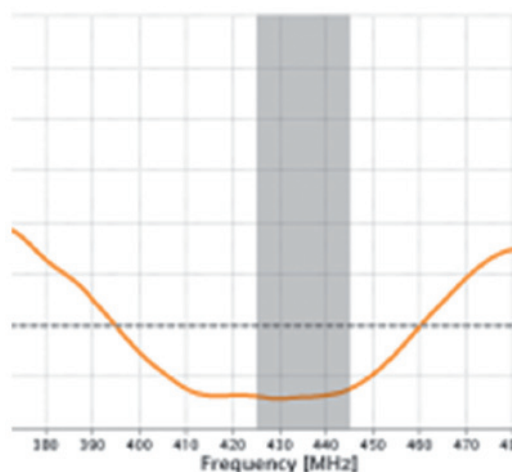
Conversion between the simple equation: $0 \text{ dBd} = 2.15 \text{ dBi}$

dBi	dBd
2.15	0
5.15	3
7.15	5



VSWR

VSWR (Voltage Standing Wave Ratio), is a measure of how well the Antenna is matched to 50 ohms at different frequencies. VSWR 1.0:1 is a perfect match.



Scan—Antenna®

It's the Antennas that make the modern world go around.

Without them global communication wouldn't exist and most of our technology would be useless. Antennas matter. High quality systems matter even more.

Everyday millions of people rely and depend on the know-how and care we put into making state-of-the-art solutions.

Our partners matter to us, and we highly appreciate that they trust us with their present and future business. Therefore, we will be visible and accessible in the mind of our partners.

We're a tech-company making solutions fit for the future – with solid and honest values: Quality, flexibility, and responsibility. We will always make sure we deliver the best in everything we do.

Quality, flexibility, and responsibility are the values that matter the most when building strong and unique connections to our partners and co-workers.

CONNECTIVITY MATTERS