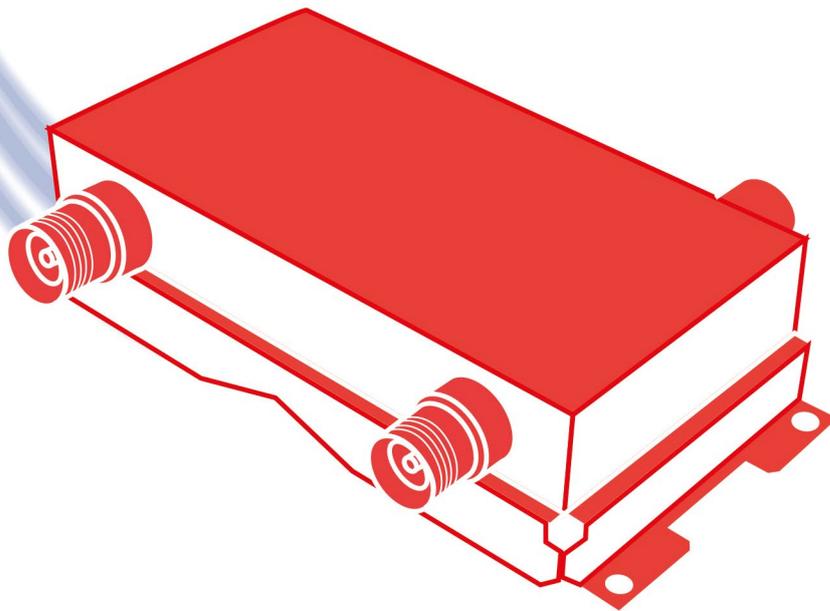


COUPLERS SPLITTERS



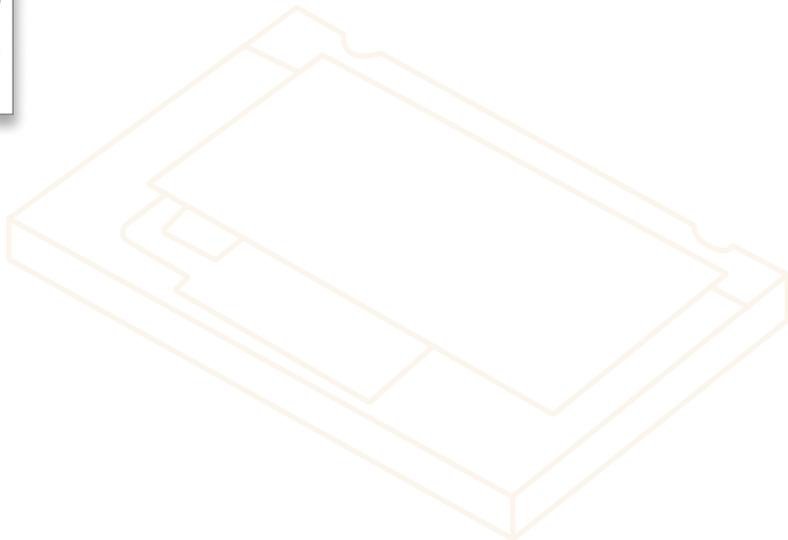
=> [Search by Part Number](#)



For Telecom Equipments Split or Combination

- ⇒ Robust Stripline Construction
- ⇒ Short Delivery Service
- ⇒ 100% RF Controlled
- ⇒ «5G ready» 4.3-10 Products
- ⇒ Low PIM Products
- ⇒ Broadband Products
- ⇒ Outdoor Use

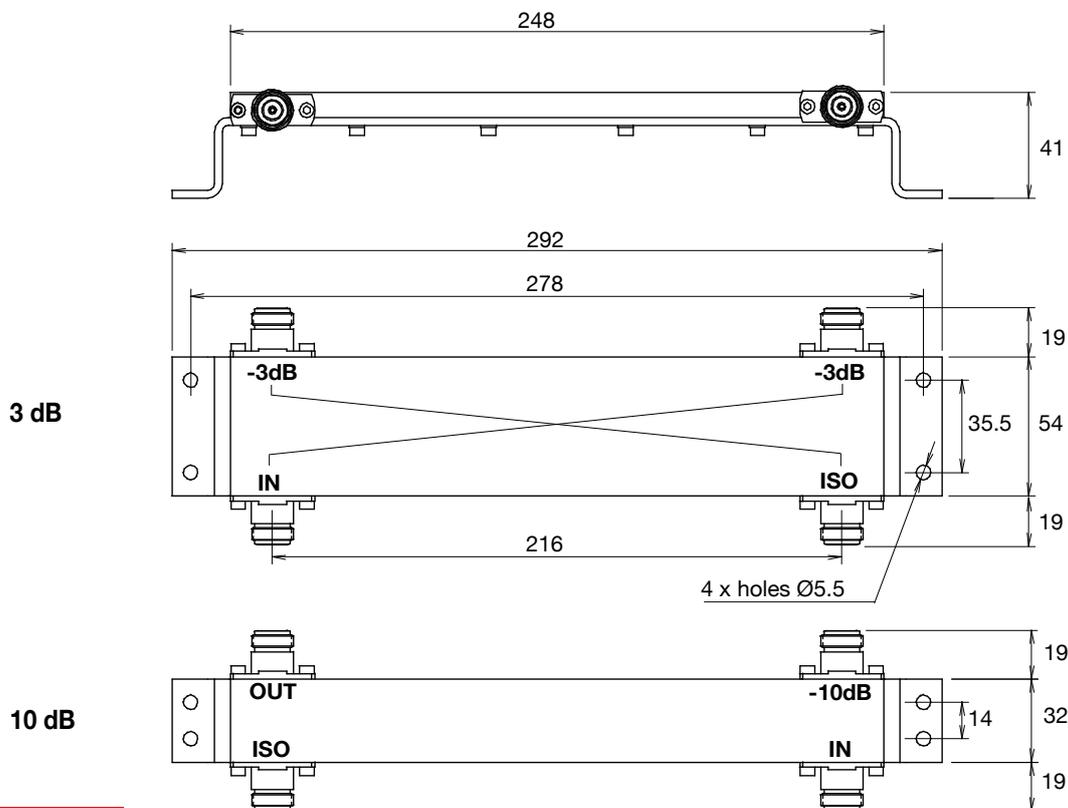
150-2000 MHz Hybrid	3	350-2700 MHz Hybrid	11
350-600 MHz Hybrid	4	698-3800 MHz Hybrid	12
380 - 900 MHz Hybrid	5	698-3800 MHz Power Splitter	13
698-2700 MHz Directional	6	698-3800 MHz Splitter	14
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380-3800 MHz Directional	10		



150-2000 MHz Hybrid



Frequency	150-2000 MHz
Impedance	50 Ω
Temperature range	- 30 to + 70°C
Average power	100 W
Protection level	IP 44
Color	White RAL 9002
Weight	590 g (3 dB) 395 g (10 dB)



Dimensions in mm

[Return to Search by Part Number](#)

P/N (Nf)	Coupling (dB)	Frequency (MHz)	Δ Coupling (dB)	Isolation (dB)	Max VSWR
14 740 031 C	3	150-2000	± 1.5	≥14*	1.5*
14 740 101 C	10	150-2000	± 1.5	≥14**	1.5**

* 300-500 MHz: Isolation ≥18dB, Max VSWR 1.3

** 300-500 MHz: Isolation ≥20dB, Max VSWR 1.3

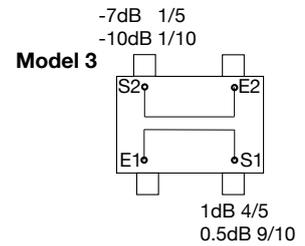
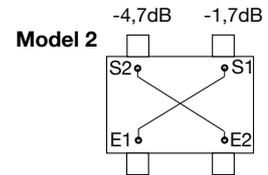
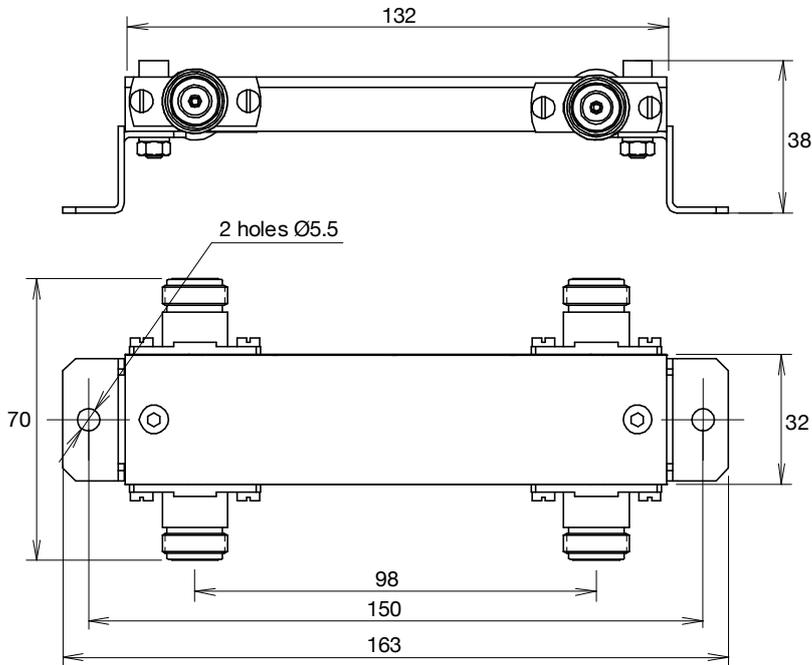


350-600 MHz Hybrid



Couplers - Splitters

Frequency	350-600 MHz
Impedance	50 Ω
Temperature range	- 30 to + 70°C
Average power	100 W
Protection level	IP 61
Color	White RAL 9002
Weight	290 g



Dimensions in mm

[Return to Search by Part Number](#)

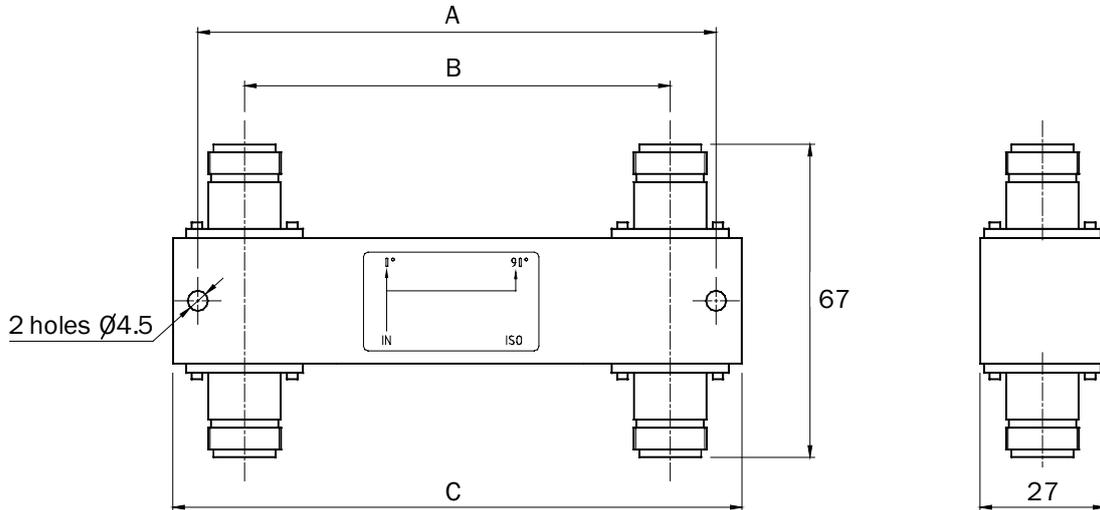
P/N (Nf)	Coupling (dB)	Frequency (MHz)	Δ Coupling (dB)	Isolation (dB)	Max VSWR	Model
14 850 031 D	3	350-600	± 0.5	≥33	1.08	2
14 850 047 B	4.7	350-600	± 0.5	≥29	1.1	2
14 850 061 B	6	350-600	± 0.5	≥29	1.1	3
14 850 101 F	10	350-600	± 1.1	≥35	1.08	3



380 - 900 MHz Hybrid



Impedance 50Ω
 Phase variation $\leq 1.5^\circ$
 Insertion loss $\leq 0.3 \text{ dB}$
 Temperature range $- 30 \text{ to } + 70^\circ\text{C}$



Dimensions in mm

[Return to Search by Part Number](#)

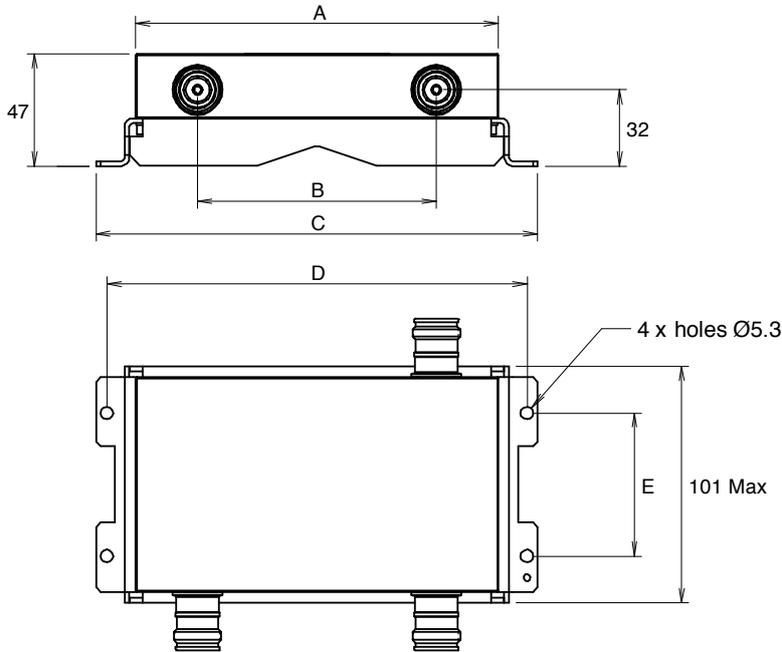
P/N (Nf)	Coupling (dB)	Frequency (MHz)	Δ Coupling (dB)	Isolation (dB)	Max VSWR	Power (W @ 25°C)	Connector	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
29-0059	3	380-395	± 0.5	≥ 33	1.1	500	N f	120	92	135	70	34
29-0060	20	380-395	± 0.7	≥ 50	1.1	500	N f	120	92	135	70	34
29-3388	3	430-860	± 0.5	≥ 26	1.1	500	N f	97	77	108	67	27
29-0024	3	450-900	± 0.5	≥ 26	1.1	300	N f	93	73	104	67	27
29-0054	6	470-860	± 0.5	≥ 30	1.1	500	N f	93	73	104	67	27
29-0055	6	470-860	± 0.5	≥ 30	1.1	1000	7-16 f	93	93	121	74	37
29-0023	3	900-1800	± 0.7	≥ 23	1.15	50	N f	59	39	70	67	27

698-2700 MHz Directional

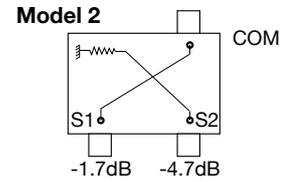
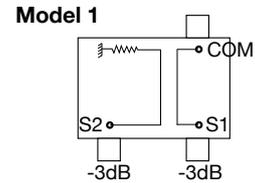


Couplers - Splitters

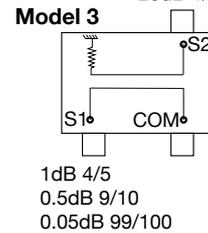
Frequency	698-2700 MHz
Impedance	50 Ω
Intermodulation IM3	≤-153 dBc for 2 carriers at +43 dBm
Temperature range	-30 to +70°C
Average power	
- If used as a combiner (2→1)	40 W
- If used as a divider (1→2)	80 W
Protection level	IP 67
Weight	1.5 kg



Dimensions in mm



-7dB 1/5
-10dB 1/10
-20dB 1/100



[Return to Search by Part Number](#)

P/N (4.3-10f)	P/N (7-16f)	Coupling (dB)	Δ Coupling* (dB)	Isolation (dB)	Max VSWR	Dimensions (mm)					Model
						A	B	C	D	E	
02 300 211	02 300 201	3	± 0.9	≥ 19	1.3	166	114	199	190	80	1
02 300 212	02 300 202	4.7	± 0.5	≥ 20	1.25	152	100	185	176	60	2
02 300 213	02 300 203	7	± 0.6	≥ 20	1.25	152	100	185	176	60	3
02 300 214	02 300 204	10	± 0.5	≥ 23	1.25	152	100	185	176	60	3
02 300 216	02 300 206	20	± 1.2	≥ 35	1.25	152	100	185	176	60	3

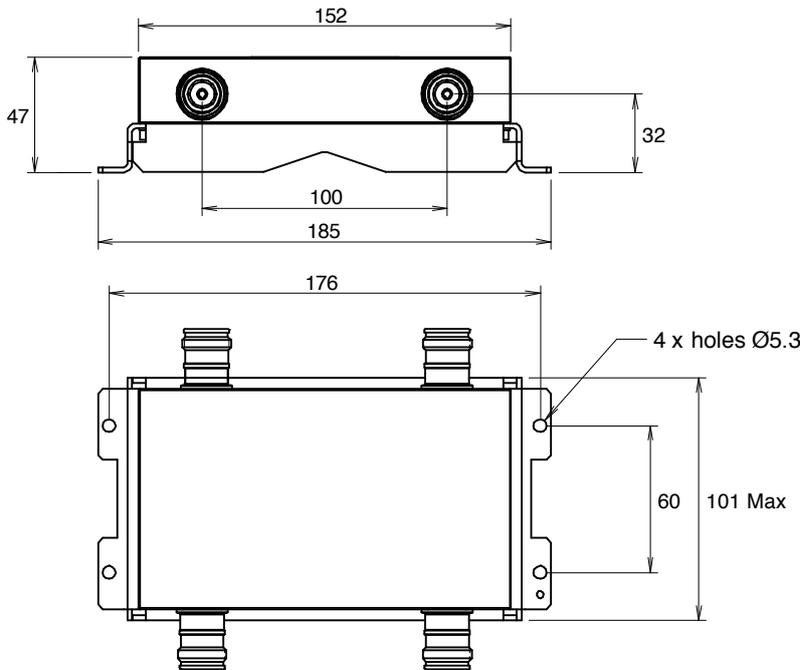
Option: Color white RAL 9002

*Direct line COM -> S1, Coupled line COM -> S2

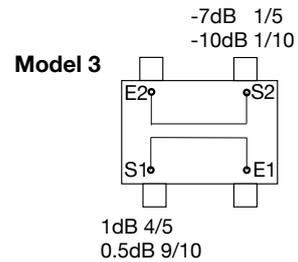
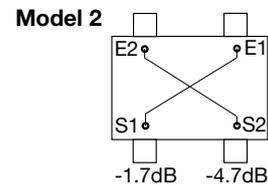
698-2700 MHz Hybrid



Frequency	698-2700 MHz
Impedance	50 Ω
Intermodulation IM3	≤-153 dBc for 2 carriers at +43 dBm
Temperature range	-30 to +70°C
Average power	
- If used as a combiner (2→1)	40 W
- If used as a divider (1→2)	80 W
Protection level	IP 67
Connector	7-16 f
Weight	1.5 kg



Dimensions in mm

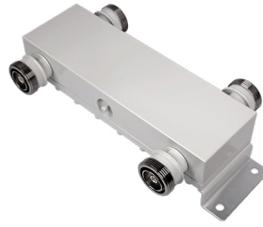


[Return to Search by Part Number](#)

P/N (7-16f)	Coupling (dB)	Δ Coupling* (dB)	Isolation (dB)	Max VSWR	Model
02 300 207	4.7	± 0.5	≥ 20	1.25	2
02 300 209	7	± 0.6	≥ 20	1.25	3
02 300 210	10	± 0.5	≥ 23	1.25	3

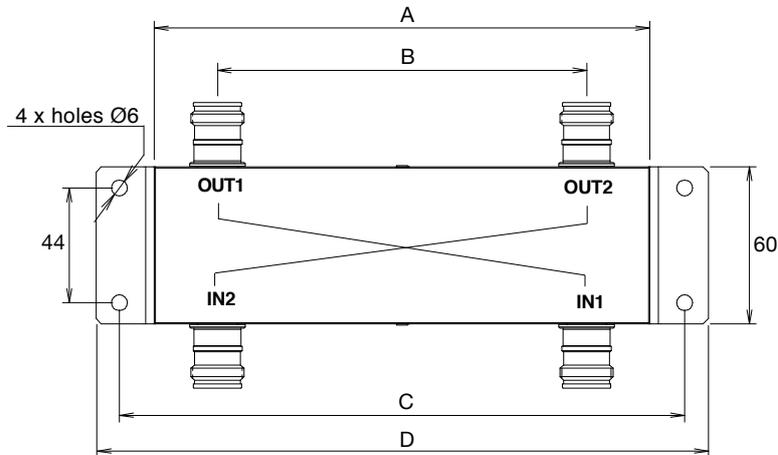
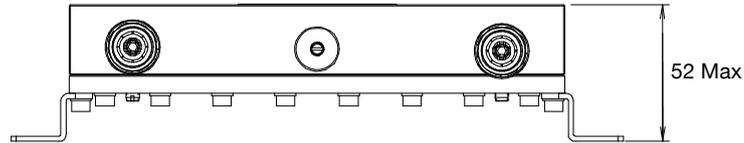
Option: Color white RAL 9002
 *Direct line E1 -> S1, Coupled line E1 -> S2

698-2700 MHz Hybrid



Couplers - Splitters

Frequency	698-2700 MHz
Impedance	50 Ω
Intermodulation IM3	≤-160 dBc for 2 carriers at +43 dBm
Temperature range	- 30 to +70°C
Average power	
- If used as a combiner (2→1)	100 W
- If used as a divider (1→2)	200 W
Protection level	IP 65
Color	White RAL 9002
Weight	1.3 kg



Dimensions in mm

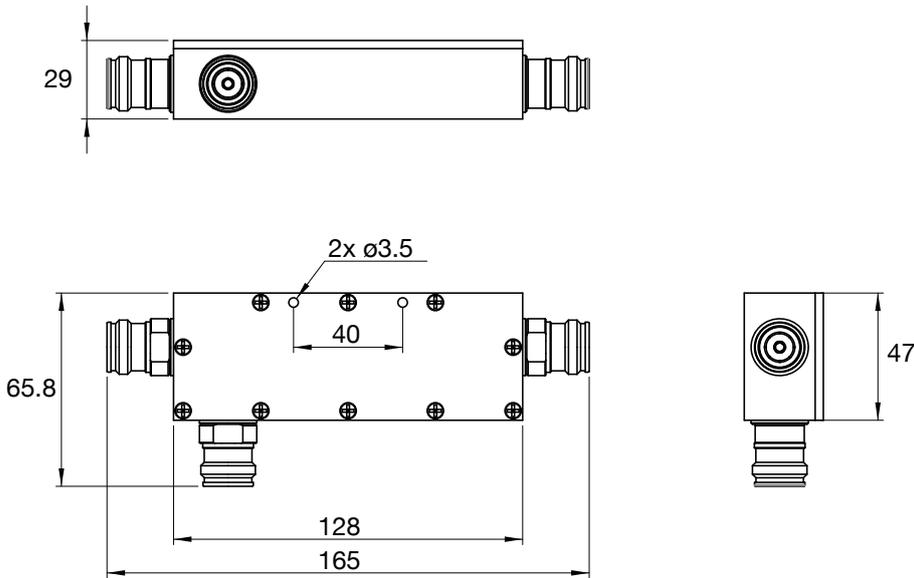
[Return to Search by Part Number](#)

P/N (4.3-10f)	P/N (7-16f)	Coupling (dB)	Frequency (MHz)	Δ Coupling (dB)	Isolation (dB)	Max VSWR	Dimensions (mm)			
							A	B	C	D
14 900 179	14 900 169	3	698-960	± 0.5	≥ 29	1.25	131	83	157	176
14 900 180	14 900 170	4.7	698-960	± 0.5	≥ 25	1.25	131	83	157	176
14 900 172	14 900 162	3	698-2700	± 0.9	≥ 20	1.25	188	140	214	233
14 900 173	14 900 163	3	1710-2700	± 0.8	≥ 20	1.25	188	140	214	233

698-3800 MHz Directional



Frequency	698-3800 MHz
Impedance	50 Ω
Intermodulation IM3	≤-153 dBc for 2 carriers at +43 dBm (698-2700MHz)
Temperature range	- 30 to + 70°C
Average power	200 W
Protection level	IP 65
Weight	600 g



Dimensions in mm

[Return to Search by Part Number](#)

P/N (4.3-10f)	Coupling (dB)	Δ Coupling (dB)	Isolation (dB)	Max VSWR
29-0110	3	± 1.3	≥20	1.3
29-0111	5	± 1.3	≥20	1.3
29-0112	7	± 1.3	≥22	1.3
29-0113	10	± 1.6	≥25	1.3
29-0114	13	± 1.6	≥28	1.3
29-0115	15	± 1.7	≥30	1.3
29-0116	20	± 1.8	≥35	1.3
29-0124	30	± 2	≥43	1.3

Option: Color white RAL 9002, Fixation

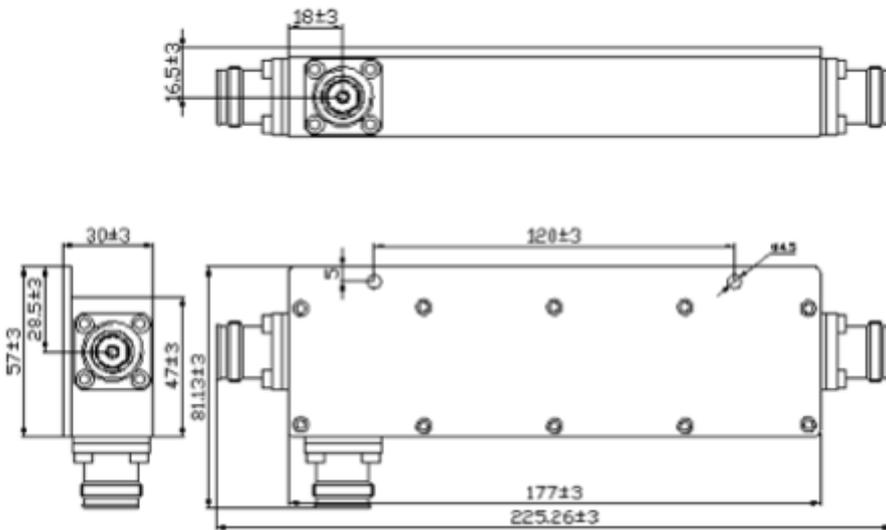
380-3800 MHz Directional



Couplers - Splitters



Frequency	380-3800 MHz
Impedance	50 Ω
Intermodulation IM3	≤-153 dBc for 2 carriers at +43 dBm (698-2700MHz)
Temperature range	- 30 to + 65°C
Average power	200 W
Protection level	IP 65
Weight	750 g
Connectors	4.3-10f



Dimensions in mm

[Return to Search by Part Number](#)

P/N (4.3-10f)	Coupling (dB)	Δ Coupling (dB)	Isolation (dB)	Max VSWR
29-0143	4.77	± 1.5	≥23	1.3
29-0144	7	± 1.4	≥25	1.3
29-0145	10	± 1.5	≥32	1.3

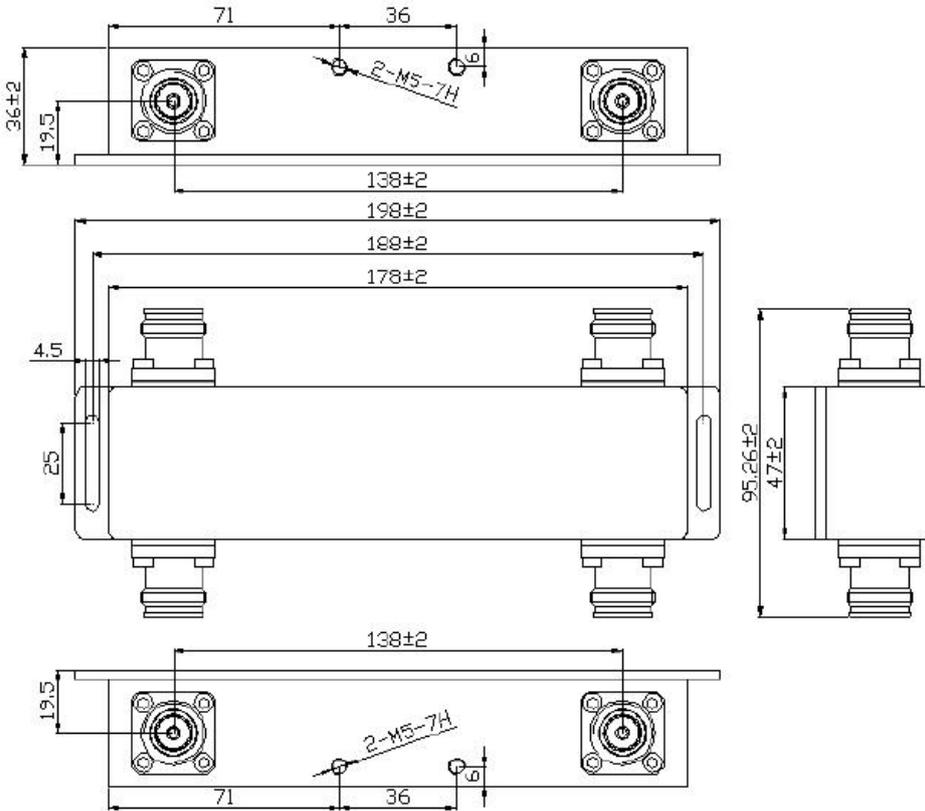
Option: Color white RAL 9002, Fixation



350-2700 MHz Hybrid



Frequency	350-2700 MHz
Impedance	50 Ω
Intermodulation IM3	≤-155 dBc for 2 carriers at +43 dBm (698-2700MHz)
Temperature range	- 40 to + 65°C
Average power	300 W
Protection level	IP 65
Weight	800 g
Connectors	4.3-10f



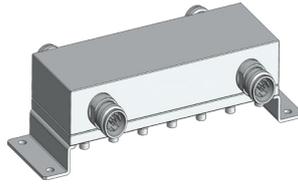
Dimensions in mm

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P/N (4.3-10f)	Coupling (dB)	Δ Coupling (dB)	Isolation (dB)	Max VSWR
29-0146	3	± 1.0	≥23	1.25

Option: Color white RAL 9002, Fixation

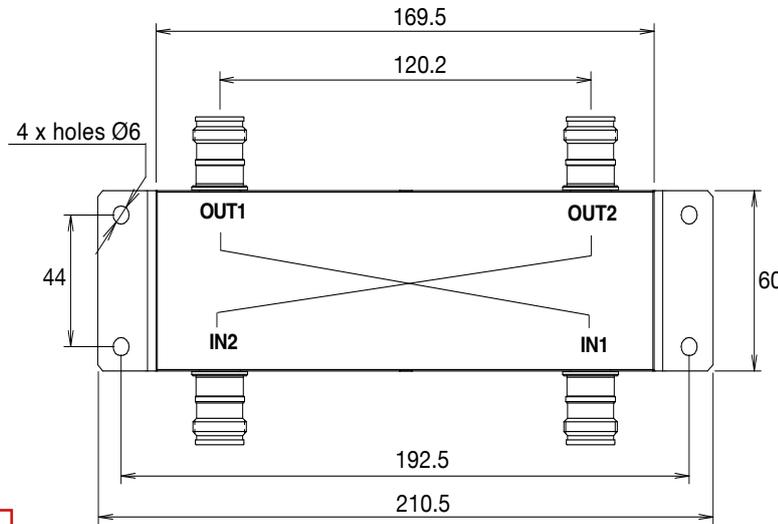
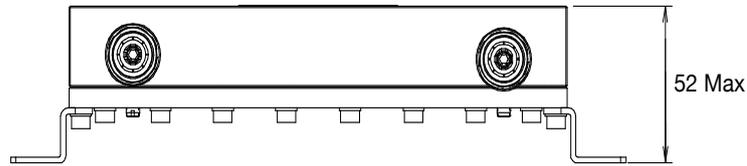
698-3800 MHz Hybrid



Couplers - Splitters



Frequency	698-3800 MHz
Impedance	50 Ω
Intermodulation IM3	≤-153 dBc for 2 carriers at +43 dBm
Temperature range	- 30 to +70°C
Average power @ 25°C	200 W
Protection level	IP 65
Weight	1.1 kg



Dimensions in mm

[Return to Search by Part Number](#)

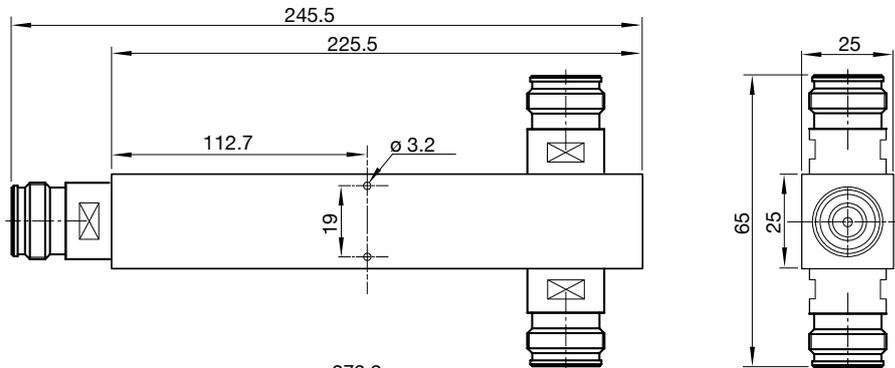
P/N (4.3-10f)	P/N (7-16f)	Coupling (dB)	Frequency (MHz)	Δ Coupling (dB)	Isolation (dB)	Max VSWR
14 900 272	14 900 262	3	698-3800	± 0.8	≥20	1.25

698-3800 MHz Power Splitter

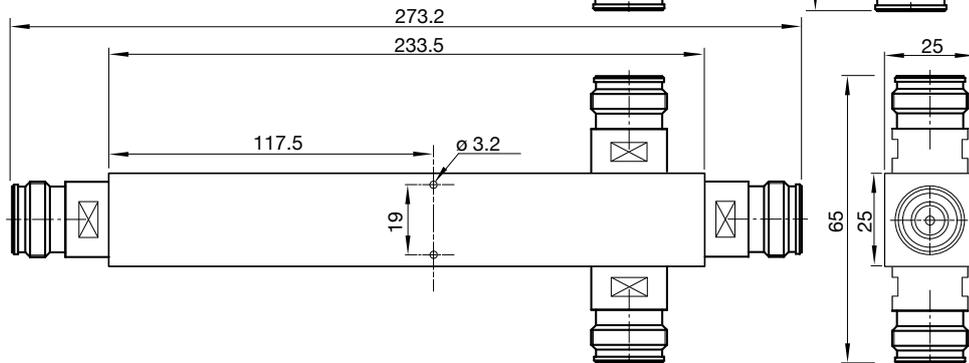


Frequency	698-3800 MHz
Impedance	50 Ω
Intermodulation IM3	≤-160 dBc for 2 carriers at +43 dBm
Temperature range	- 30 to +70°C
Average power @ 25°C	300 W
Connectors	4.3-10 f
Protection level	IP 65

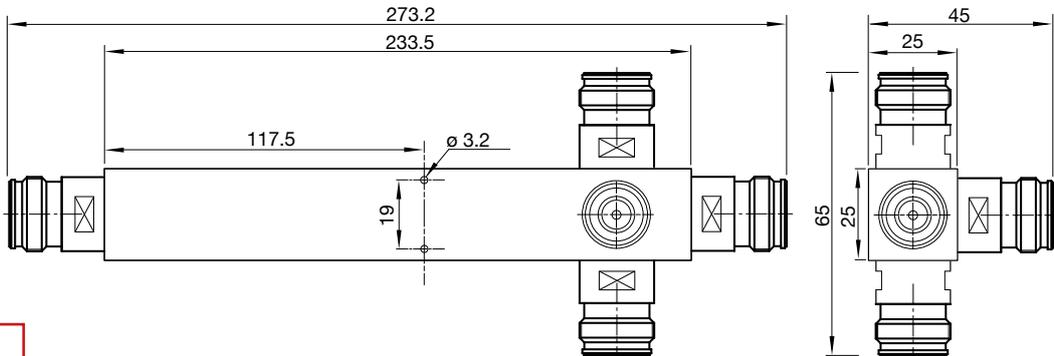
2 Ways



3 Ways



4 Ways



Dimensions in mm

[Return to Search by Part Number](#)

P/N (4.3-10 f)	Coupling (dB)	Nb of ways	Frequency (MHz)	Insertion loss (dB)	Max VSWR
29-0119	3	2	698-3800	<0.4	1.25
29-0120	4.8	3	698-3800	<0.6	1.25
29-0121	6	4	698-3800	<0.6	1.25



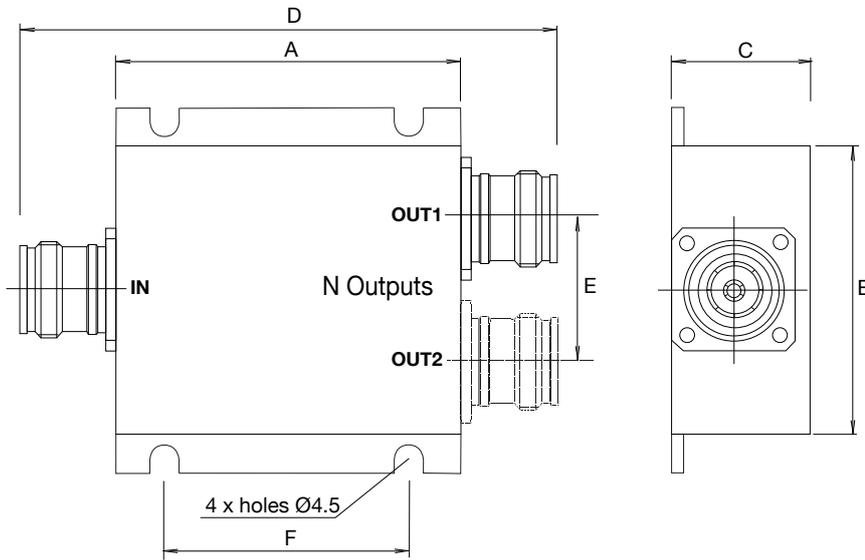
698-3800 MHz Splitter



Couplers - Splitters



Frequency	698-3800 MHz
Impedance	50 Ω
Intermodulation IM3	≤-153 dBc for 2 carriers at +43 dBm
Temperature range	- 30 to +70°C
Average power	50 W
Connector	N f
Protection level	IP 65



Dimensions in mm

[Return to Search by Part Number](#)

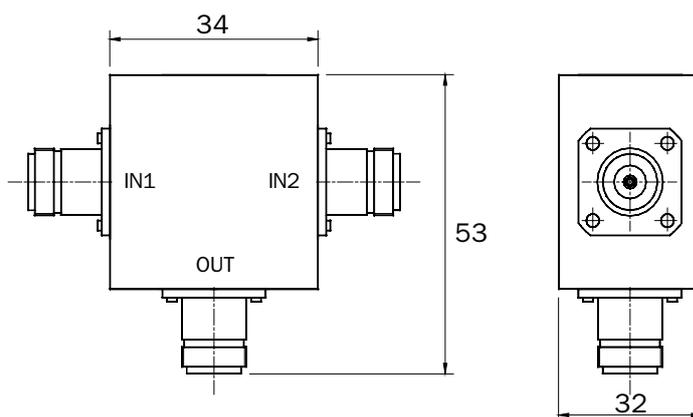
P/N (Nf)	Split loss (dB)	Frequency (MHz)	Insertion loss (dB)	Isolation (dB)	Max VSWR	N Outputs	A	B	C	D	E	F
30-0128	3	698-3800	≤ 0.8	≥20	1.30	2	60	72	20	96	40	40
30-0129	4.8	698-3800	≤ 0.8	≥18	1.30	3	77	74	22	113	25	31
30-0130	6	698-3800	≤ 1.0	≥18	1.30	4	71	104	20	107	28	40

Broadband Resistive Power Splitter 2 ways

Standards
NF C 96-315
MIL-DTL-3933



Frequency	DC – 3 GHz
Impedance	50 Ω
Max VSWR	≤ 1.3
Insertion loss	≤ 6 dB
Average power	5 W
Temperature range	-25 to 85°C
Protection level	IP 65
Weight	310 g



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector
16-0291	N f

Couplers - Splitters



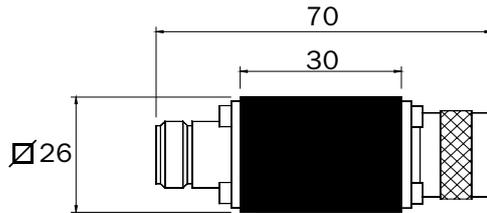
Impedance Matcher



Standards
NF C 96-315
MIL-DTL-3933



Frequency	DC - 1 GHz, DC - 1.8 GHz
Max VSWR	≤ 1.10
Temperature range	-55 to +125°C
Average power	0.5 W
Weight	110 g



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Connector In	Connector Out	Impedance In ($\Omega \pm 5\%$)	Impedance Out ($\Omega \pm 5\%$)
15-3713	1	N m	N f	50	75
15-4563	1	N m	N f	75	50
15-4441	1.8	N m	N f	50	75



Search by Part Number

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02 300 202	P6	29-0024	P5
02 300 203	P6	29-0054	P5
02 300 204	P6	29-0055	P5
02 300 206	P6	29-0059	P5
02 300 207	P7	29-0060	P5
02 300 209	P7	29-0110	P9
02 300 210	P7	29-0111	P9
02 300 211	P6	29-0112	P9
02 300 212	P6	29-0113	P9
02 300 213	P6	29-0114	P9
02 300 214	P6	29-0115	P9
02 300 216	P6	29-0116	P9
14 740 031 C	P3	14 900 262	P12
14 740 101 C	P3	14 900 272	P12
14 850 031 D	P4	29-0119	P13
14 850 047 B	P4	29-0120	P13
14 850 061 B	P4	29-0121	P13
14 850 101 F	P4	29-0124	P9
14 900 162	P8	29-3388	P5
14 900 163	P8	30-0128	P14
14 900 169	P8	30-0129	P14
14 900 170	P8	30-0130	P14
14 900 172	P8	29-0143	P10
14 900 173	P8	29-0144	P10
14 900 179	P8	29-0145	P10
14 900 180	P8	29-0146	P11
15-3713	P16		
15-4441	P16		
15-4563	P16		
16-0291	P15		



