

## POWER DIVIDERS/COMBINERS

INNOVATION . QUALITY . RELIABILITY

**DIVIDERS/COMBINERS 2 WAY COMMUNICATIONS**

Model	Operating Frequency ( MHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D102R	DC-1500	7	6	1.30/1	0.3	2	0.5
IF-D2A1	10-750	1	19	1.35/1	0.3	3	1
IF-D2B1	40-1400	1.10	19	1.50/1	0.5	3	1
IF-D2C1	0,5-200	0.40	30	1.25/1	0.3	1	1
IF-D200	150-500	0.50	20	1.25/1	0.2	2	50
IF-D210	125-250	0.25	20	1.20/1	0.2	2	50
IF-D220	250-400	0.25	20	1.20/1	0.2	2	50
IF-D230	250-500	0.30	20	1.25/1	0.2	2	50
IF-D240-C	380-470	0.20	20	1.20/1	0.1	1	50
IF-C240-C	380-470	0.20	20	1.20/1	0.1	1	10
IF-D250	500-1000	0.30	20	1.25/1	0.2	2	50
IF-D223	1000-1200	0.30	22	1.20/1	0.2	3	500
IF-D224	1050-1350	0.40	20	1.20/1	0.2	3	500
IF-D225	1200-1400	0.30	22	1.20/1	0.2	3	500
IF-D226	1000-1400	0.50	17	1.35/1	0.3	5	500

**DIVIDERS/COMBINERS 2 WAY BROADBAND**

Model	Operating Frequency ( MHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D290/N	135-1000	0.6	17	1.35/1	0.3	2	100
IF-D260-C	500-2000	0.5	20	1.25/1	0.2	2	50
IF-D260/S	500-2000	0.5	20	1.25/1	0.2	2	50
IF-D270-C	700-2700	0.6	20	1.20/1	0.2	2	50
IF-D270	700-2700	0.6	20	1.25/1	0.2	2	50
IF-D302-C	800-2200	0.6	23	1.20/1	0.2	2	50
IF-D302	800-2200	0.5	23	1.20/1	0.2	2	50
IF-D302-E	800-2200	0.5	23	1.20/1	0.2	2	50
IF-C302-C	800-2200	0.6	18	1.30/1	0.4	3	10
IF-D302-SAT	800-2200	0.5	23	1.20/1	0.2	2	50
IF-D302-SAT-E	800-2200	0.5	23	1.20/1	0.2	2	50



**DIVIDERS/COMBINERS 2 WAY OCTAVE MULTI OCTAVE**

Model	Operating Frequency ( GHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IFD311	0.69-3.8	0.6	20	1.25/1	0.3	2	100
IF-D280/S	0.5-4	0.7	18	1.40/1	0.3	2	50
IF-D280/C	0.5-4	0.7	18	1.40/1	0.3	2	50
IF-D281/S	0.5-6	0.8	20	1.35/1	0.2	3	50
IF-D21/S	2-6	0.5	20	1.20/1	0.2	2	30
IF-D22/S	4-8	0.5	20	1.30/1	0.2	2	30
IF-D23/S	2-8	0.5	20	1.30/1	0.2	2	30
IF-D237/S	3-11	0.8	19	1.35/1	0.2	2	30
IF-D24/S	7-11	0.4	23	1.25/1	0.2	2	30
IF-D25/S	6-18	0,8	18	1.40/1	0.3	5	30
IF-D26/S	2-18	1	18	1.50/1	0.4	5	30
IF-D27/S	0.5-18	1.1	14	1.90/1	0.8	9	9
IF-D28/S	0.5-18	2.2	15	1.50/1	0.6	9	30

**DIVIDERS/COMBINERS 3 WAY COMMUNICATIONS**

Model	Operating Frequency ( MHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D3A1	20-1000	1	20	1.50/1	0.4	4	1
IF-D3B1	0.5-200	0.7	23	1.30/1	0.4	2	1
IF-D3C1	5-500	0.8	23	1.35/1	0.4	2	1
IF-D3D1	5-100	0.7	23	1.30/1	0.3	1	1
IF-DA103	0.5-1000	1	20	1.50/1	0.5	3	1
IF-D3A1	20-1000	1	20	1.50/1	0.4	4	1
IF-D3B1	0.5-200	0.7	23	1.30/1	0.4	2	1
IF-D3C1	5-500	0.8	23	1.35/1	0.4	2	1
IF-D340-C	380-420	0.4	25	1.20/1	0.2	2	30
IF-D325	1000-1200	0.3	25	1.20/1	0.2	3	400
IF-D326	1050-1350	0.4	20	1.20/1	0.2	3	400
IF-D327	1200-1400	0.3	25	1.20/1	0.2	3	400
IF-D328	1000-1400	0.5	20	1.25/1	0.3	5	400
IF-D303	800-2200	0.7	18	1.30/1	0.2	2	30
IF-D303-C	800-2200	0.7	18	1.30/1	0.2	2	30
IF-D303-C/7	800-2200	0.7	20	1.30/1	0.3	3	30
IF-D3231/N	698-2700	0.8	18	1.30/1	0.4	7	80
IF-D314	698-2700	0.6	18	1.38/1	0.3	5	100



**DIVIDERS/COMBINERS 3 WAY OCTAVE MULTI OCTAVE**

Model	Operating Frequency ( GHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D35/S	4-8	0.9	18	1.60/1	+/- 0.5	+/- 5	30
IF-D351/S	2.5-6	0.6	18	1.60/1	+/- 0.5	+/- 5	30
IF-D36/S	0.5-6	1.5	18	1.50/1	0.6	6	30
IF-D37/S	0.5-18	2.1	18	1.45/1	1	10	30

**DIVIDERS/COMBINERS 4 WAY COMMUNICATIONS**

Model	Operating Frequency ( MHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D400C	0.2- 200	0.7	26	1.20/1	0.2	2	1.5
IF-D400D	0.2- 400	1.5	25	1.40/1	0.6	4	1.5
IF-D400A	10-500	1	20	1.40/1	0.6	4	1
IF-D400B	20-1200	1.7	18	1.45/1	0.7	4	1
IF-D408	50-500	0.5	20	1.30/1	0.2	3	100
IF-D410	125-250	0.6	20	1.30/1	0.3	3	50
IF-D411	118-250	0.6	20	1.30/1	0.3	3	100
IF-D420	250-500	0.7	19	1.35/1	0.4	3	50
IF-D421	225-400	0.7	19	1.35/1	0.4	3	100
IF-D430	380-420	0.3	20	1.30/1	0.2	2	50
IF-D440	500-1000	0.7	20	1.20/1	0.3	3	50
IF-D423	1000-1200	0.5	22	1.20/1	0.2	3	500
IF-D424	1050-1350	0.6	20	1.20/1	0.2	3	500
IF-D425	1200-1400	0.5	22	1.20/1	0.2	3	500
IF-D426	1000-1400	0.6	17	1.35/1	0.3	5	500
IF-D450	800-2200	0.8	20	1.25/1	0.3	3	50
IF-D460/S	500-2000	0.8	20	1.30/1	0.3	3	50
IF-D470	700-2700	1	20	1.30/1	0.4	4	50
IF-D412	500-4000	1.3	18	1.50/1	0.3	3	30
IF-C430/N	380-430	0.3	20	1.30/1	0.2	2	50
IF-C450	800-2200	1	18	1.40/1	0.4	4	50
IF-D3242/N	780-2700	0.8	20	1.25/1	0.4	5	80



**DIVIDERS/COMBINERS 4 WAY OCTAVE MULTI OCTAVE**

Model	Operating Frequency ( GHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D496	0.70-2.7	0.8	20	1.25/1	0.5	5	100
IF-412/S	0.5-3	1.1	18	1.40/1	0.3	5	30
IF-D413/S	0.4-2.5	0.5	20	1.30/1	0.4	4	30
IF-D40/S	2-4	0.5	20	1.35/1	0.2	4	30
IF-D41/S	2-6	1	18	1.35/1	0.3	6	30
IF-D42/S	4-8	0.7	20	1.30/1	0.3	4	30
IF-D43/S	2-8	1	18	1.40/1	0.3	6	30
IF-D431/N	7-11	1.6	20	1.75/1	0.2	4	30
IF-D431/S	7-11	0.8	20	1.30/1	0.2	4	30
IF-D44/S	8-12.4	0.85	18	1.40/1	0.3	4	30
IF-D45/S	12.4-18	1.3	14	1.70/1	0.4	10	30
IF-D46/S	8-18	1.35	14	1.75/1	0.5	10	30
IF-D47/S	6-18	1.25	15	1.60/1	0.3	10	30
IF-D48/S	2-18	1.90	16	1.60/1	0.6	10	20
IF-D481/S	3-15	1.0	18	1.50/1	+/-0.4	+/-8	30
IF-D49/S	0.5-1	0.8	17	1.80/1	+/-0.4	+/-5	20
	1-10	2.0	17	1.55/1	+/-0.4	+/-5	20
	10-18	2.5	17	1.55/1	+/-0.4	+/-5	20

**DIVIDERS/COMBINERS 6 WAY OCTAVE MULTI OCTAVE**

Model	Operating Frequency ( GHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D62/S	1-2	1.1	20	1.45/1	0.25	6	30
IF-D61/S	2-6	1.5	17	1.60/1	1	4	30
IF-D63/S	4-8	1.5	16	1.70/1	0.6	5	30
IF-D64/S	8-18	1.6	14	1.75/1	0.7	9	30
IF-D65/S	6-18	2	14	2.0/1	1.1	10	30



**DIVIDERS/COMBINERS 8 WAYS COMMUNICATIONS**

Model	Operating Frequency ( MHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D8201	490-510	0.5	25	1.15/1	0.2	2	30
IF-D820	400-600	0.7	18	1.50/1	0.3	3	30
IF-D830	380-470	0.7	20	1.40/1	0.3	3	30
IF-D840	800-2200	1.3	18	1.45/1	0.5	3	30
IF-D850	700-2100	1.4	18	1.50/1	0.5	4	30
IF-D860	500-2000	1.5	18	1.50/1	0.6	4	30

**DIVIDERS/COMBINERS 8 WAY OCTAVE MULTI OCTAVE**

Model	Operating Frequency ( GHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D81/S	1-2	0.8	20	1.55/1	0.3	4	30
IF-D82/S	2-4	1	18	1.55/1	0.5	6	30
IF-D83/S	4-8	1.2	19	1.55/1	0.6	6	30
IF-D843/S	7.25-8.40	1	20	1.30/1	0.4	4	30
IF-D84/S	12.4-18	1.5	15	1.75/1	0.5	6	30
IF-D85/S	6-18	1.6	14	1.80/1	0.6	6	30
IF-D86/S	8-18	1.8	14	1.80/1	0.8	8	30

**DIVIDERS/COMBINERS 12 WAY COMMUNICATIONS**

Model	Operating Frequency ( MHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D1205/S	880-960	0.7	20	1.40/1	0.6	4	30
IF-D1206/S	950-1450	0.8	20	1.40/1	0.6	4	30
IF-D1207/S	950-1750	1.0	20	1.50/1	0.6	5	30
IF-D1208/S	950-2200	1.2	18	1.50/1	0.7	6	30
IF-D1209/S	800-2200	1.2	18	1.50/1	0.7	6	30

**DIVIDERS/COMBINERS 12 WAY OCTAVE**

Model	Operating Frequency ( GHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D1220/S	7-12.4	1.8	16	1.90/1	1.0	10	50



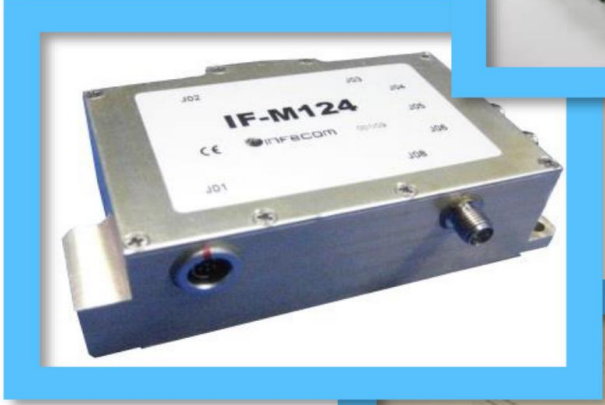
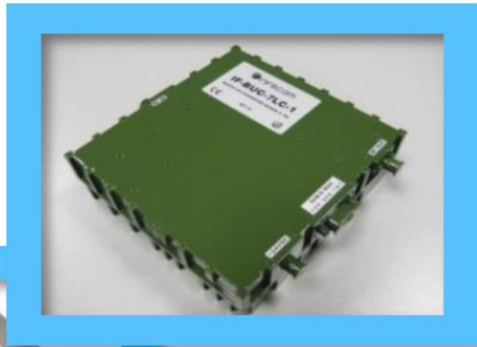
**DIVIDERS/COMBINERS 16 WAY COMMUNICATIONS**

Model	Operating Frequency ( MHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D1605/S	880-960	0.7	24	1.20/1	0.6	4	30
IF-D1606/S	950-1450	0.8	20	1.30/1	0.6	4	30
IF-D1607/S	950-1750	1.0	20	1.40/1	0.6	5	30
IF-D1608/S	950-2200	1.2	18	1.40/1	0.7	6	30
IF-D1609/S	800-2200	1.2	18	1.50/1	0.7	6	30

**DIVIDERS/COMBINERS RESISTIVES**

Model	Nº Way	Operating Frequency ( GHz)	Insertion loss ( db)	Isolation (db typ)	VSWR	Amplitude Balance (db max)	Phase Balance (° max)	Power (W)
IF-D260-R/S	2	DC-3	6	6	1.25/1	0.2	2	1
IF-D360-R/S	3	DC-3	9	9	1.25/1	0.2	3	1
IF-D460-R/S	4	DC-3	12	12	1.30/1	0.3	3	1
IF-D560-R/S	5	DC-3	14	14	1.30/1	0.4	4	1
IF-D660-R/S	6	DC-3	16	16	1.35/1	0.4	4	1
IF-D760-R/S	7	DC-3	17	17	1.35/1	0.4	4	1
IF-D860-R/S	8	DC-3	18	18	1.35/1	0.4	4	1
IF-C251-R-N	2	DC-1	6	6	1,25/1	0,2	2	50





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