

FEATURE:

- Small Structure,Low Cost,Drop-IN Type
- Wideband Frequency Range,High Reliability
- Field Removable SMA(F) Available
- Low Conversion Loss
- Low LO Drive Power



APPLICATION:

- Test equipment
- Radar&Electronic Warfare
- Communication system

SPECIFICATIONS@25°C:

Part Number	RF Frequency (GHz)	LO Frequency (GHz)	IF Frequency (GHz)	Conversion Loss (dB)	Isolation (dB) L-R	Isolation (dB) L-I	LO Power (dBm)	Single Sideband Noise(dB)	Input P1dB (dBm)	Input IP3 (dBm)	Case Type
MMB001060F0010	1-6000MHz	1-6000MHz	0-1000MHz	7.5	35	25	10	9	5	15	MB43
MMB002001F0002	0.1-250MHz	0.1-250MHz	DC-250MHz	5	40	40	17	6	14	13	MB15
MMB001025F0010	0.001-2.5	0.01-2.5	DC-1	9	25	20	13	9	0	15	MB43
MMB001030F0105	0.01-3	0.01-3	0.01-0.5	8	25	25	7-13	8	5	19	MB11
MMB001030F0115	0.01-3	0.01-3	0.01-0.5	8	25	25	7-13	8	5	19	MB11
MMB005040F0020	0.05-4	0.05-4	0.01-2	8	25(min)	20(min)	10	8	5	13	MB15
MMB005050F0015	0.05-5	0.05-5	DC-1.5	5.5	30	20	7-13	6	5	13	MB15
MMB005020F0005	0.5-2	0.5-2	DC-0.5	8	40	28	10	6	5	19	MB15
MMB005050F0020	0.05-5	0.05-5	DC-2	5.5	30	20	7-13	6	5	13	MB3
MMB005180F0005	0.5-18	0.5-18	DC-0.5	8	30	25	7-13	8	3	13	MB14
MMB005180F0050	0.5-18	0.5-18	DC-5	8	30	25	7-13	8	3	13	MB40
MMB008019F0010	0.8-19	1-19	DC-1	12	18	20	1-19	11	8	17	MB1
MMB010060F0010	1-6	1-6	DC-1	7	30	25	7-13	7	5	13	MB1
MMB010180F0005	1-18	1-18	DC-0.5	8(Max)	30	20	5-10	9(Max)	5	15	MB38
MMB010180F0040	1-18	1-18	0.01-4	8	30	30	7-13	9	6	19	MB1
MMB010180F1205	1-18	1-18	0.5-12	8	30	30	7-13	9	6	19	MB12
MMB010180F4080	1-18	1-18	4-8	8	30	25	7-10	8	3	20	MB36
MMB015260F0005	1.5-26	1.5-26	1-500MHz	10(Max)	25	25	10	10	/	/	MB12
MMB020030F0010	2-3	1.2-2.5	DC-1	10	25	20	7	10	10	20	MB1
MMB020030F0001	2-3	1.5-2	DC-1	10	25	20	7	10	10	20	MB15
MMB020040F0030	2-4	2-4	DC-3	6	30	30	7-13	6	5	19	MB15
MMB020100F0030	2-10	2-10	DC-3	6	30	30	7-13	6	5	19	MB1
MMB020100F0010	2-10	2-10	DC-1	7	30	25	7-13	7	5	13	MB1
MMB020100F0020	2-10	2-10	DC-2	6	30	30	7-13	6	5	19	MB1



DOUBLE&TRIPLE BALANCED MIXER

Part Number	RF Frequency (GHz)	LO Frequency (GHz)	IF Frequency (GHz)	Conversion Loss (dB)	Isolation (dB) L-R	Isolation (dB) L-I	LO Power (dBm)	Single Sideband Noise(dB)	Input P1dB (dBm)	Input IP3 (dBm)	Case Type
MMB020120F0030	2-12	2-12	DC-3	6	30	30	7-13	6	5	19	MB1
MMB020160F0010	2-16	2-16	DC-1	7	30	25	7-13	7	3	13	MB1
MMB020180F0002	2-18	2-18	0-200MHz	8	30	25	7-10	/	3	/	MB34
MMB020180F0020	2-18	2-18	DC-2	7	30	30	7-13	7	5	19	MB1
MMB020180F0340	2-18	2-18	0.3-4	8	30	30	7-13	8	6	19	MB1
MMB020180F0320	2-18	2-18	0.3-2	8	30	30	7-13	8	5	19	MB1
MMB020180F1060	2-18	2-18	1-6	8	30	30	7-13	8	5	19	MB1
MMB020180F0060	2-18	2-18	DC-6	7.5	30	30	7-13	8	5	19	MB1
MMB020180F0040	2-18	2-18	DC-4	8	30	25	7-13	8	3	13	MB1
MMB020200F1060	2-20	2-20	1-6	8	30	30	7-13	8	5	15	MB12
MMB020200F0010	2-20	2-20	DC-1	8	30	30	7-13	8	5	15	MB12
MMB020260F2080	2-26	2-26	2-8	10	25	24	11	6	5	19	MB12
MMB024085C0105	2.4-8.5	2.15-9.16	0.1-0.5	11	18	/	-10~0	/	/	/	MB21
MMB025075F0070	2.5-2.75	2.5-2.75	DC-7	6.3-8	30	18	10	8	1	11	MB1
MMB030044F5367	3-4.4	9.7	5.3-6.7	7	30	30	13	9	6	19	MB1
MMB035124F0030	3.5-12.4	3.5-12.4	DC-3	5	40	42	7	5	5	12	MB27
MMB040080F0030	4-8	4-8	DC-3	6	30	30	7-13	6	5	19	MB1
MMB040160F0040	4-16	4-16	DC-4	8	30	20	7-13	9	0	10	MB26
MMB040180D0040	4-18	4-18	DC-4	8.5	23	18	7-10	8.5	3	10	MB18
MMB040180F0030	4-18	4-18	DC-3	6	30	30	7-13	6	3	10	MB1
MMB040180F0070	4-18	4-18	DC-7	6	30	30	7-13	6	3	10	MB1
MMB040400F0020	4-40	4-40	2	10	25	20	10-15	9.5	5	15	MB25
MMB050150F0220	5-15	6-26	2-20	8	30	30	7-13	8	5	15	MB12
MMB005180F0025	5-18	5-18	DC-2.5	5.5	35	35	10	6	5	19	MB1
MMB050200F0040	5-20	5-20	DC-4	5	40	40	7	/	15	/	MB1/MB39
MMB057071F3448	5.722-7.1	5.722-7.1	3.4-4.8	7	30	30	7-13	9	6	19	MB1
MMB060125F0025	6-12.5	5-15	DC-25	6	30	30	10	6	4	14	MB1
MMB060180F0005	6-18	6-18	DC-1	7.5	40	40	10	7.5	0	15	MB1
MMB060180F0010	6-18	6-18	DC-1	7.5	40	40	10	7.5	0	15	MB1
MMB060180F0025	6-18	6-18	DC-2.5	7	40	40	10	7	0	15	MB1
MMB060180F0030	6-18	3.5-18	DC-3	6	32	35	7	7	3	10	/
MMB070400F0010	7-40	7-40	DC-10	10	30	30	15	10	10	20	MB2
MMB070400F0012	7-40	7-40	DC-12	10	30	30	13-15	10	10	20	MB2
MMB070400F0512	7-40	7-40	7-40	10	30	30	13-15	10	10	20	MB2



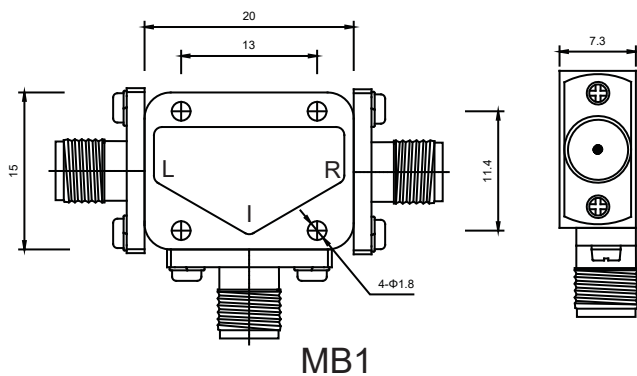
DOUBLE&TRIPLE BALANCED MIXER

Part Number	RF Frequency (GHz)	LO Frequency (GHz)	IF Frequency (GHz)	Conversion Loss (dB)	Isolation (dB) L-R	Isolation (dB) L-I	LO Power (dBm)	Single Sideband Noise(dB)	Input P1dB (dBm)	Input IP3 (dBm)	Case Type
MMB070430F0010	7-43	7-43	0-10	8	49	25	15-17	8	49	25	MB2
MMB070430F0012	7-43	7-43	DC-12	10	30	25	13-15	10	10	13	MB2
MMB075090F2030	7.5-9	5-6	2-3	8	25	20	7	8	10	20	MB1
MMB077086F0010	7.7-8.6	7.2-7.9	DC-1	8(max)	23(min)	20(min)	7	8(max)	5	19	MB1
MMB079085F2030	7.9-8.5	5-6	2-3	10	25	20	7	10	10	20	MB1
MMB079085F0203	7.9-8.5	5-6	2-3	9	25	20	13	9	7	19	MB1
MMB060180C0005	6-18	6-18	0.01-0.5	9	25	25	-10~+10	10	-5	0	MB20
MMB060180F0005	6-18	6-18	DC-1	7.5	40	40	10	7.5	0	15	MB1
MMB090110F2630		9-11	17.5-19	12	30	30	8	/	8	/	MB2
MMB080120F0010	8-12	8-12	DC-1	6	30	30	7-13	6	5	19	MB1
MMB080120F0030	8-12	8-12	8-12	6	30	30	7-13	6	5	19	MB1
MMB080120F0040	8-12	8-12	DC-4	6	30	30	7-13	6	5	19	MB1
MMB080180F0015	8-18	8-18	8-18	6	40	40	7-13	6	3	13	MB1
MMB084185C0105	8.4-18.15	8.16-18.16	0.1-0.5	11	18	/	-10~0	/	/	/	MB21
MMB085097G0507	8.5-9.7	8.5-9.7	0.05-0.07	/	/	/	10	/	/	/	MB32
MMB1218G0030	12-18	12-18	DC-3	6	40	40	7-10	6	2	19	MB1
MMB120200F0030	12-20	12-20	DC-3	6	30	30	7-13	6	5	19	MB1
MMB120200C0030	12-20	12-20	DC-3	6	30	30	7-13	6	5	19	MB23
MMB127145F1012	12.75-14.5	12.75-14.5	12.75-14.5	7	30	30	7-13	9	6	19	MB1
MMB160540F0018	16-54	16-54	0-18	7.5	42	33	15-17	7.5	10	18	MB2
MMB180400F0012	18-40	18-40	18-40	10	30	25	7-13	10	10	13	MB2
MMB200300F0118	20-30	20-30	1-18	10	18	15	7	10	3	/	MB2
MMB200300F0120	20-30	20-30	0.1-20	10	18	15	7	10	3	/	MB1
MMB240270F1215	24-27	12-15	12-15	10	18	15	7-13	12	3	/	MB24

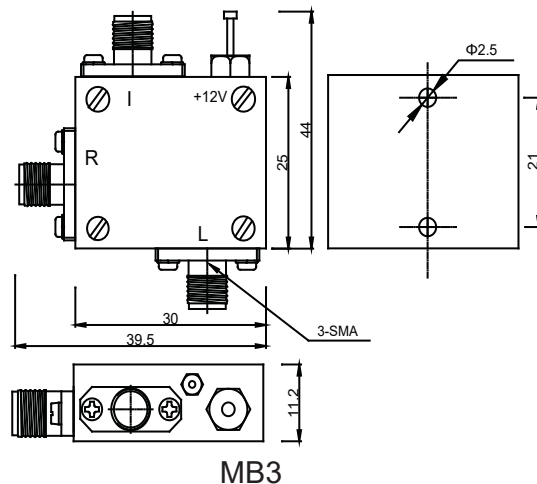


DOUBLE&TRIPLE BALANCED MIXER

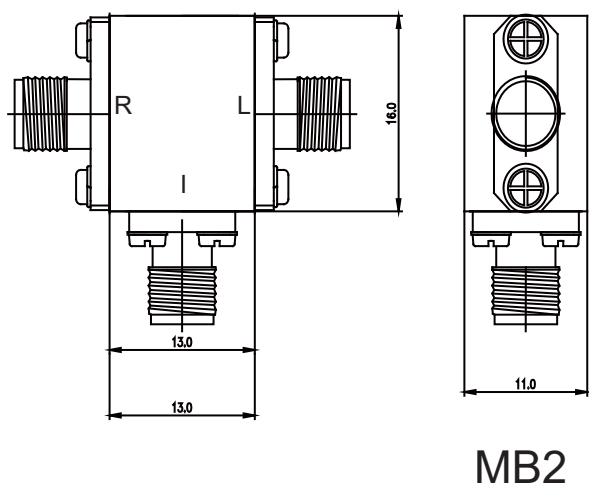
Part Number	RF Frequency (GHz)	LO Frequency (GHz)	IF Frequency (GHz)	Conversion Loss (dB)	Isolation (dB) L-R	Isolation (dB) L-I	LO Power (dBm)	Single Sideband Noise(dB)	Input P1dB (dBm)	Input IP3 (dBm)	Case Type
MMB070430F0012	7-43	7-43	7-43	10	30	25	13-15	10	10	13	MB2
MMB075090F2030	7.5-9	5-6	2-3	8	25	20	7	8	10	20	MB1
MMB077086F0010	7.7-8.6	7.2-7.9	DC-1	8(max)	23(min)	20(min)	7	8(max)	5	19	MB1
MMB079085F2030	7.9-8.5	5-6	2-3	10	25	20	7	10	10	20	MB1
MMB079085F0203	7.9-8.5	5-6	2-3	9	25	20	13	9	7	19	MB1
MMB060180C0005	6-18	6-18	0.01-0.5	9	25	25	-10~+10	10	-5	0	MB20
MMB060180F0005	6-18	6-18	DC-1	7.5	40	40	10	7.5	0	15	MB1
MMB090110F2630		9-11	17.5-19	12	30	30	8	/	8	/	MB2
MMB080120F0010	8-12	8-12	DC-1	6	30	30	7-13	6	5	19	MB1
MMB080120F0030	8-12	8-12	8-12	6	30	30	7-13	6	5	19	MB1
MMB080120F0040	8-12	8-12	DC-4	6	30	30	7-13	6	5	19	MB1
MMB080180F0015	8-18	8-18	8-18	6	40	40	7-13	6	3	13	MB1
MMB084185C0105	8.4-18.15	8.16-18.16	0.1-0.5	11	18	/	-10~0	/	/	/	MB21
MMB085097G0507	8.5-9.7	8.5-9.7	0.05-0.07	/	/	/	10	/	/	/	MB32
MMB1218G0030	12-18	12-18	DC-3	6	40	40	7-10	6	2	19	MB1
MMB120200F0030	12-20	12-20	DC-3	6	30	30	7-13	6	5	19	MB1
MMB120200C0030	12-20	12-20	DC-3	6	30	30	7-13	6	5	19	MB23
MMB127145F1012	12.75-14.5	12.75-14.5	12.75-14.5	7	30	30	7-13	9	6	19	MB1
MMB180400F0012	18-40	18-40	18-40	10	30	25	7-13	10	10	13	MB2
MMB200300F0120	20-30	20-30	0.1-20	10	18	15	7	10	3	/	MB1
MMB240270F1215	24-27	12-15	12-15	10	18	15	7-13	12	3	/	MB24



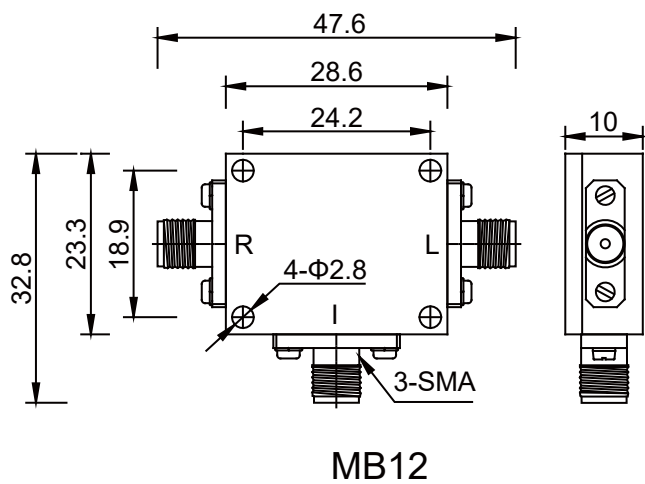
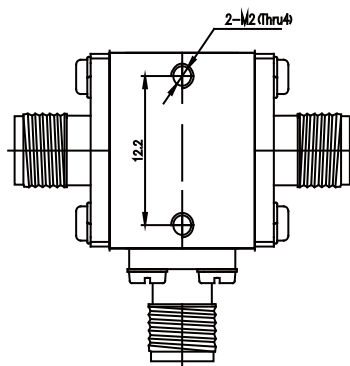
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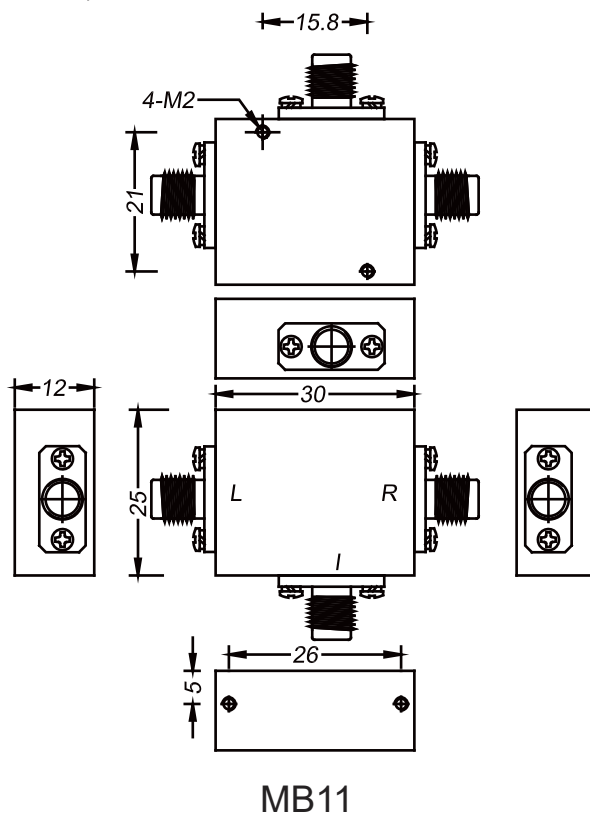
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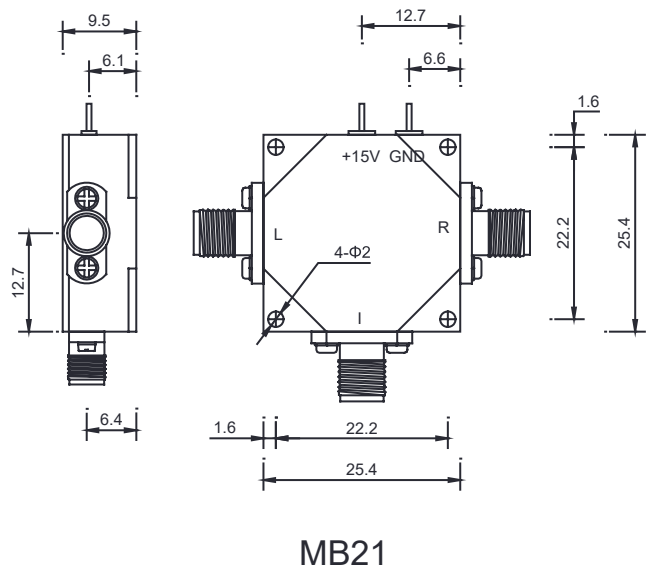
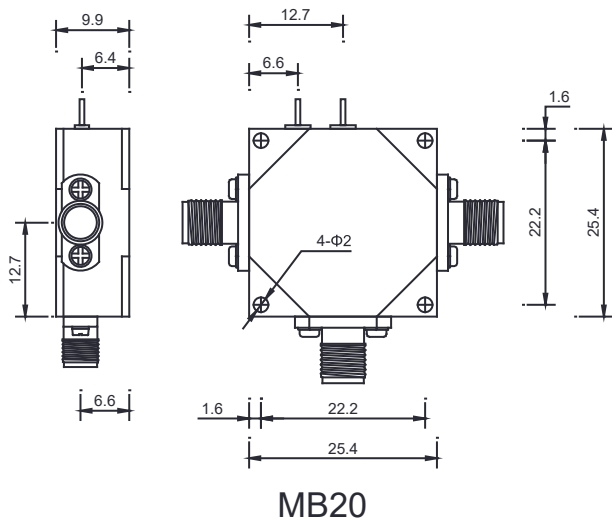
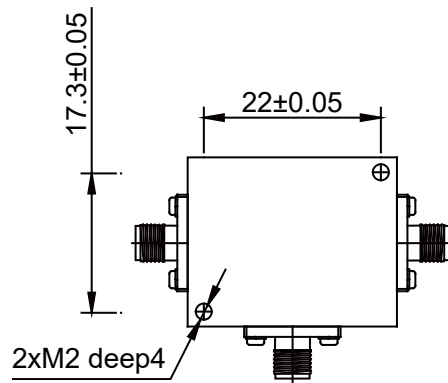
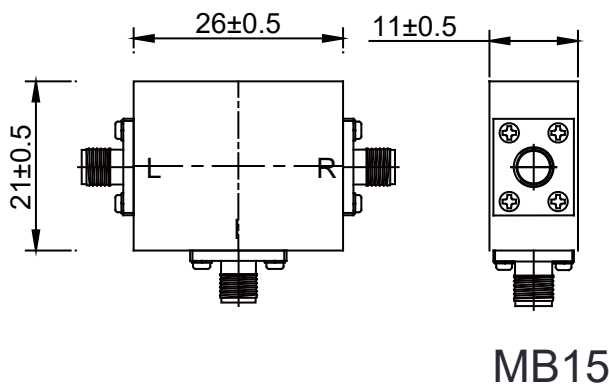
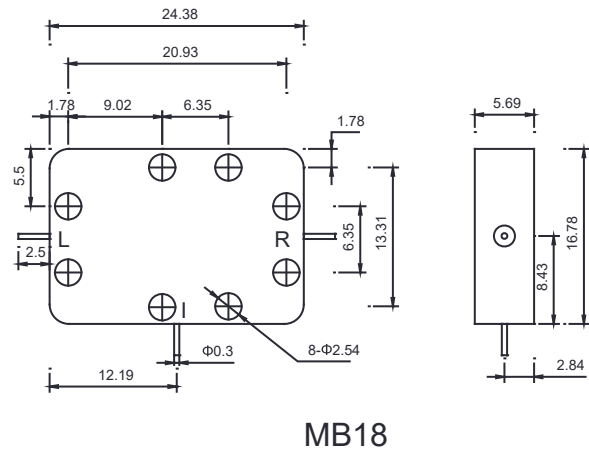
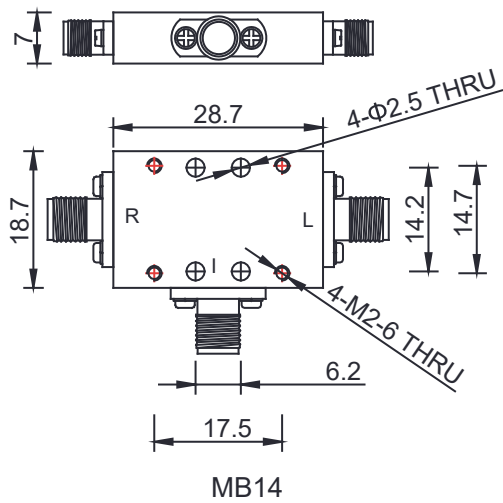
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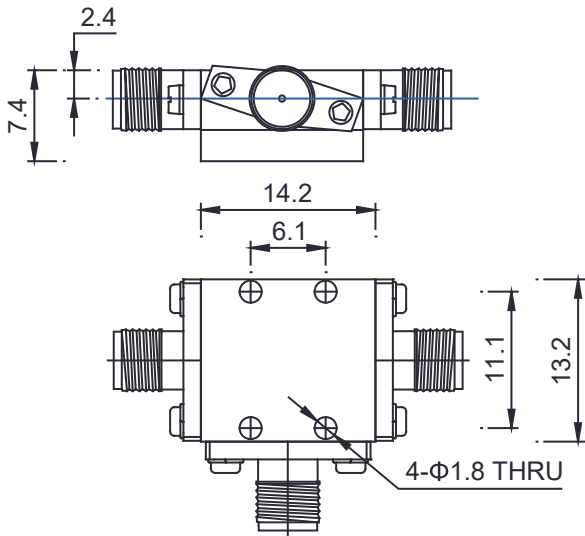


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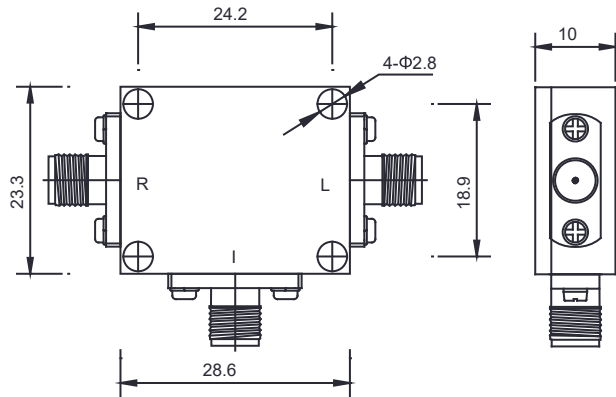


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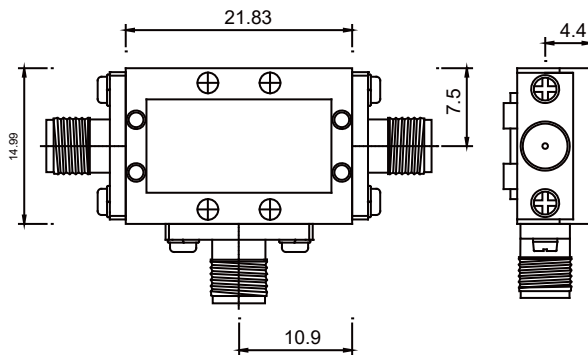




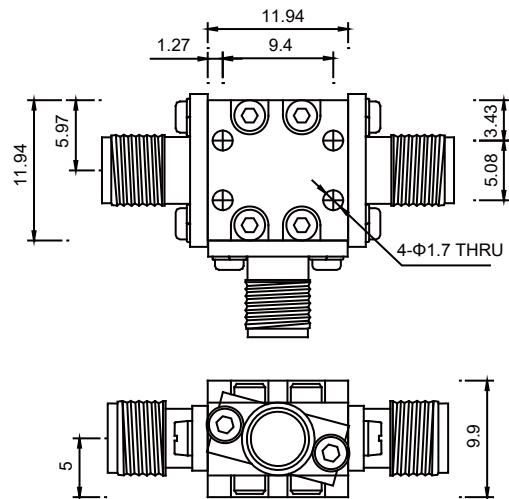
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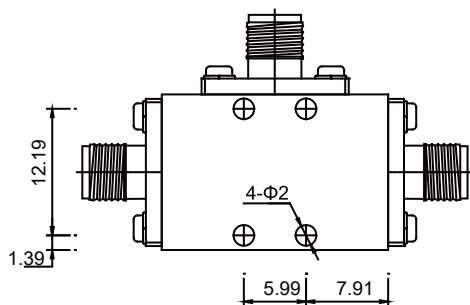
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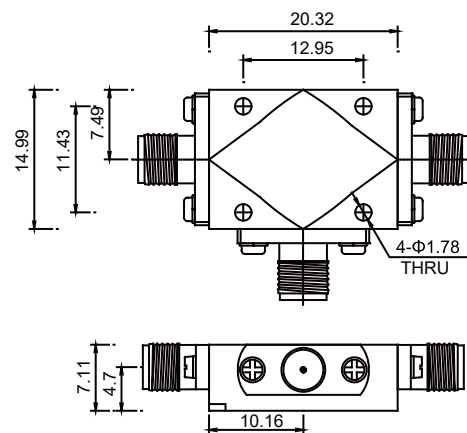
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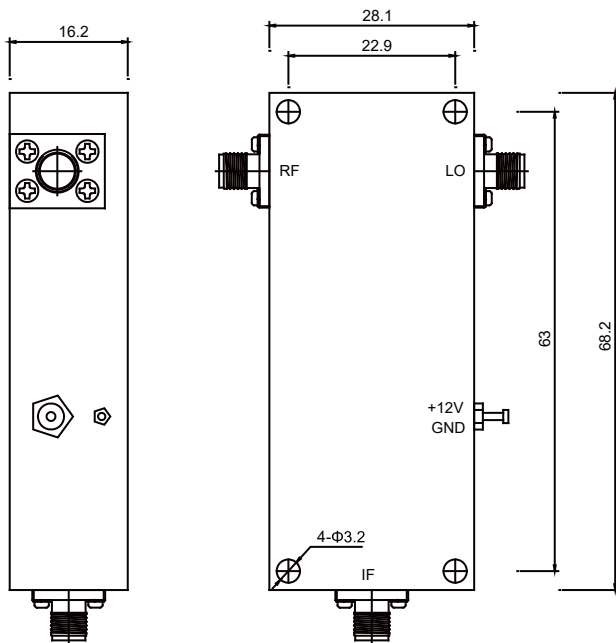


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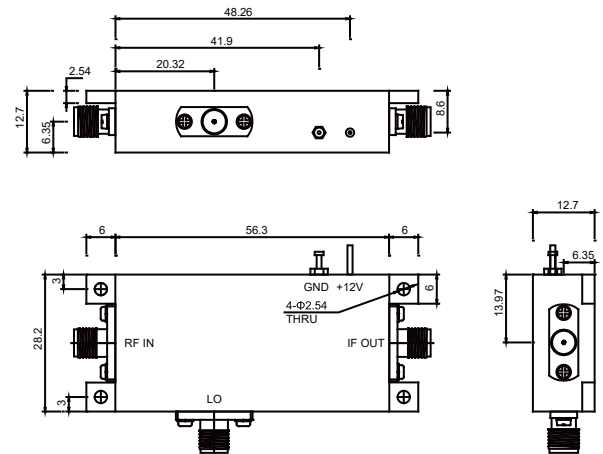


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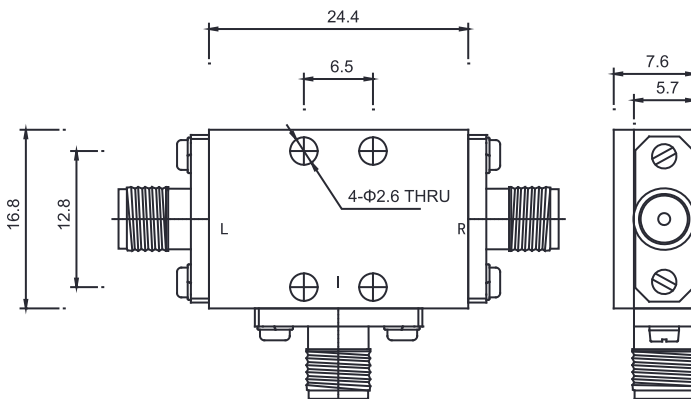




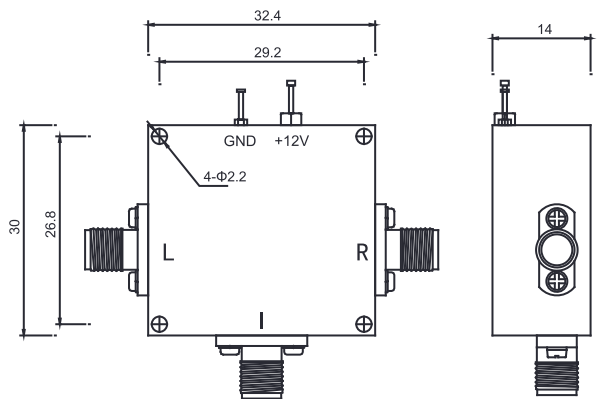
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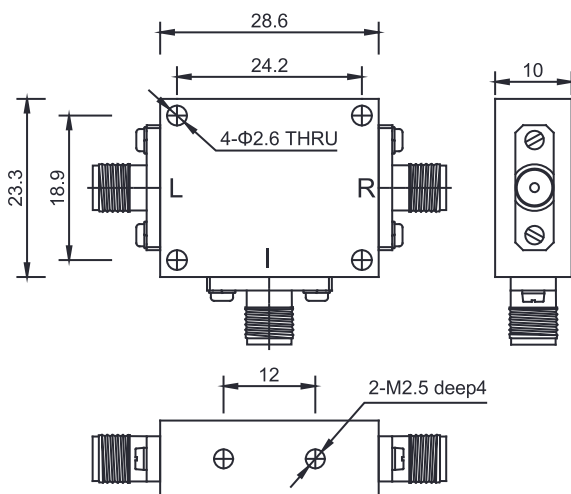
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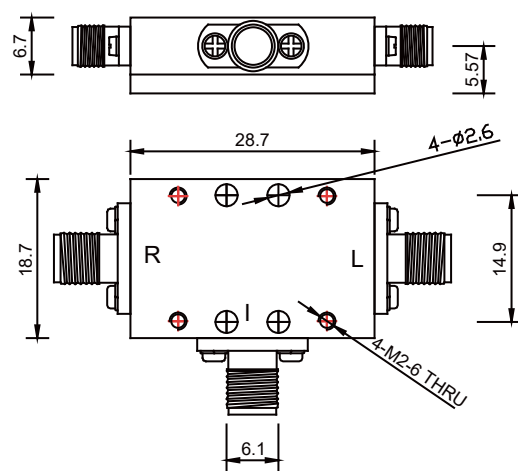
MB34



MB35



MB36



MB38

