

FEATURE:

- Rugged construction
- High directivity
- Low Insertion Loss
- 0.5-110GHZ

APPLICATIONS:

- Test equipment
- Subsystems
- Power sampling



SPECIFICATIONS@25°C:

Part Number	Frequency Range (GHz)	Coupling (dB.Max)	Frequency Sensitivity (±dB Max)	Directivity (dB Typ.)	VSWR (Max)	Insertion Loss (dB)	Power (W.Avg)	Power Peak	Case Type
MCD001002N20H	0.1-0.25	20±0.5	1	20	1.2	0.3	200	/	DC37(N)
MCD002010S20HN	0.25-1	20±1	0.8	20	1.3	0.3	500	10KW	DC13
MCD003010S20L	0.3-1	20±1	1	20	11.2	0.4	50	3KW	DC29
MCD006004S10H	0.46-0.62	10±0.5	0.25	20	.2	0.35	50	1KW	DC4
MCD006004S10HN	0.46-0.62	10±0.7	0.7	20	1.2	0.35	100	1KW	DC19
MCD006004S20H	0.46-0.62	20±0.5	0.25	20	1.2	0.35	50	1KW	DC4
MCD006004S20HN	0.46-0.62	20±0.7	0.7	20	1.2	0.35	100	1KW	DC19
MCD006004S30H	0.46-0.62	30±0.5	0.25	20	1.2	0.3	50	1KW	DC4
MCD006004S30HN	0.46-0.62	30±1	0.7	20	1.2	0.35	100	1KW	DC19
MCD006004S50H	0.46-0.62	50±1.5	0.6	18	1.2	0.3	50	1KW	DC22
MCD005020S30M	0.5-2	30±1	0.7	20	1.2	0.4	50	1KW	DC4
MCD005020S20M	0.5-2	20±1	0.7	22	1.2	0.4	50	1KW	DC4
MCD005020S10M	0.5-2	10±1	0.7	20	1.2	0.4	50	3KW	DC4
MCD005020S06M	0.5-2	6±1	0.7	22	1.2	0.5	50	1KW	DC4
MCD005060S20H	0.5-6	20±1	1	22	1.25	0.6	50	/	DC4
MCD005130S20H	0.5-13	20±0.8	1	15	1.4	/	50	/	DC4
MCD005180S20M	0.5-18	20±1	1	10	1.5	1.3	50	300	DC01/DC02
MCD005180S10M	0.5-18	10±1	1	12	1.5	1.5	50	300	DC4
MCD005200S20M	0.5-20	20±1	1.2	10	1.5	1.7	50	1KW	DC4
MCD005200S10M	0.5-20	10±1	1.2	12	1.6	1.5	50	300	DC01/DC02
MCD007027S10M	0.7-2.7	10±1	1	20	1.2	0.5	50	300	DC01/DC02
MCD007027S20M	0.7-2.7	20±1	1	20	1.2	0.4	50	300	DC01/DC02
MCD007027S30M	0.7-2.7	30±1	1	20	1.2	0.3	50	3KW	DC07
MCD008020S06M	0.8-2	6±1	0.5	20	1.3	0.4	10	200	DC01/DC02
MCD008020S10M	0.8-2	10±1	0.5	20	1.3	0.4	10	200	DC01/DC02
MCD008020S20M	0.8-2	20±1.5	0.5	20	1.3	0.4	10	200	DC01/DC02
MCD008020S30M	0.8-2	30±2	0.5	20	1.3	0.4	10	200	DC01/DC02



DIRECTIONAL COUPLER

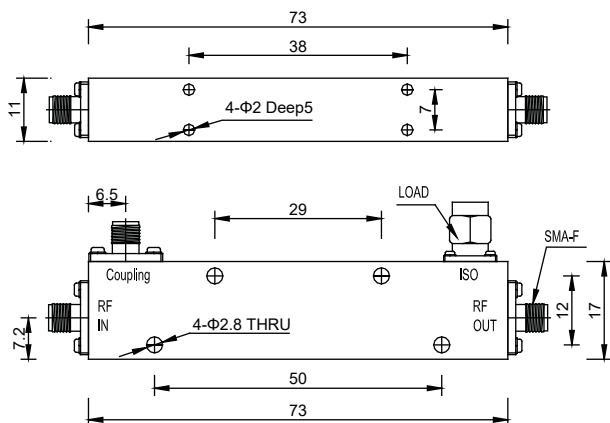
Part Number	Frequency Range (GHz)	Coupling (dB.Max)	Frequency Sensitivity ($\pm$ dB Max)	Directivity (dB Typ.)	VSWR (Max)	Insertion Loss (dB)	Power (W.Avg)	Power Peak	Case Type
MCD008025S06M	0.8-2.5	6 $\pm$ 0.7	0.7	20	1.2	0.5	30	1KW	DC25
MCD008025S10M	0.8-2.5	10 $\pm$ 0.6	0.6	20	1.2	0.4	50	3KW	DC25
MCD008025S20M	0.8-2.5	20 $\pm$ 1	1	20	1.2	0.3	50	300	DC01/DC02
MCD008025N30M	0.8-2.5	30 $\pm$ 1	0.7	20	1.25	0.4	60	1KW	DC27
MCD008025S30M	0.8-2.5	30 $\pm$ 0.6	0.6	20	1.2	0.4	50	3KW	DC25
MCD008025S30H	0.8-2.5	30 $\pm$ 0.6	0.6	20	1.25	0.3	150	/	DC36
MCD008038S06M	0.8-3.8	6 $\pm$ 1	1	20	1.4	0.6	10	200	DC01/DC02
MCD008038S10M	0.8-3.8	10 $\pm$ 1	1	20	1.4	0.6	10	200	DC01/DC02
MCD008038S20M	0.8-3.8	20 $\pm$ 1.5	1	20	1.4	0.6	10	200	DC01/DC02
MCD008038S30M	0.8-3.8	30 $\pm$ 2	1	20	1.4	0.6	10	200	DC01/DC02
MCD010030S20HN	1-3	20 $\pm$ 1	0.8	20	1.3	0.3	500	10KW	DC12
MCD010040S06M	1-4	6 $\pm$ 1	0.7	20	1.2	0.6	50	3KW	DC1
MCD010040S10M	1-4	10 $\pm$ 1	0.5	20	1.2	0.7	50	300	DC01/DC02
MCD010080S06M	1-8	6 $\pm$ 1.5	1.5	18	1.4	0.6	10	200	DC01/DC02
MCD010080S10M	1-8	10 $\pm$ 1	1	18	1.4	0.6	10	200	DC01/DC02
MCD010080S20M	1-8	20 $\pm$ 2	1.5	18	1.25	0.6	50	3KW	DC01/DC02
MCD010080S30M	1-8	30 $\pm$ 2	1.5	18	1.4	0.6	10	200	DC01/DC02
MCD010080S30L	1-8	30 $\pm$ 1	1	15	1.3	0.8	50	3KW	DC9
MCD010180S20M	1-18	20 $\pm$ 1	0.7	10	1.5	0.9	50	/	DC1
MCD010180S20L	1-18	20 $\pm$ 1	1	12	1.5	0.9	50	1KW	DC1
MCD010180S10M	1-18	10 $\pm$ 1	0.7	12	1.5	0.9	50	/	DC1
MCD011016S30MN	1.1-1.65	30 $\pm$ 1	0.7	20	1.25	0.25	50	1KW	DC5
MCD017021N30H	1.7-2.1	30 $\pm$ 1	0.6	30	1.15	0.25	500	/	DC38(N)
MCD020040S06C	2-4	6 $\pm$ 0.7	0.7	20	1.4	0.4	30	3KW	DC30
MCD020040S06M	2-4	6 $\pm$ 0.7	0.7	20	1.4	0.4	30	3KW	DC14
MCD020040S10M	2-4	10 $\pm$ 1	0.5	20	1.4	0.6	10	200	DC01/DC02
MCD020040S20M	2-4	20 $\pm$ 0.7	0.7	22	1.15	0.25	50	3KW	DC5
MCD020040S30M	2-4	30 $\pm$ 0.7	0.7	22	1.15	0.2	50	1KW	DC5
MCD020040N30H	2-4	30 $\pm$ 1.5	1.5	18	1.3	0.25	50	8KW	DC35
MCD020080S06M	2-8	6 $\pm$ 0.7	0.5	20	1.25	0.4	50	1KW	DC23
MCD020080S10M	2-8	10 $\pm$ 1	0.7	20	1.25	0.5	50	3KW	DC5
MCD020080S20M	2-8	20 $\pm$ 0.7	0.7	20	1.25	0.5	50	3KW	DC5
MCD020124S20L	2-12.4	20 $\pm$ 0.5	0.5	15	1.4	1	50	3KW	DC5
MCD020180S30M	2-18	30 $\pm$ 1	1	10	1.5	0.8	50	1KW	DC5
MCD020180S20M	2-18	20 $\pm$ 1	1	12	1.5	0.8	20	1KW	DC5
MCD020180S10H	2-18	10 $\pm$ 1	1	15	1.5	0.8	50	300	DC5

Part Number	Frequency Range (GHz)	Coupling (dB.Max)	Frequency Sensitivity ($\pm$ dB Max)	Directivity (dB Typ.)	VSWR (Max)	Insertion Loss (dB)	Power (W.Avg)	Power Peak	Case Type
MCD020180S10M	2-18	10 $\pm$ 1	1	12	1.5	0.8	50	300	DC5
MCD020180S10L	2-18	10 $\pm$ 0.5	0.5	15	1.4	1	50	3KW	DC5
MCD020180S06M	2-18	6 $\pm$ 1	1	12	1.5	0.9	20	1KW	DC5
MCD020180S06L	2-18	6 $\pm$ 0.5	0.7	15	1.4	0.7	20	1KW	DC23
MCD024025S30MN	2.457-2.55	30 $\pm$ 0.5	0.5	20	1.25	0.35	50	1KW	DC15
MCD025065S20HN	2.5-6.5	20 $\pm$ 1	0.8	17	1.4	0.4	250	5KW	DC17
MCD026052S06M	2.6-5.2	6 $\pm$ 0.7	0.7	20	1.25	0.5	20	1KW	DC23
MCD026052S30M	2.6-5.2	30 $\pm$ 1.25	0.8	18	1.3	0.4	10	100	DC01/DC02
MCD027030S10H	2.7-3	10 $\pm$ 0.5	0.15	20	1.25	0.3	50	1KW	DC5
MCD027030S10HN	2.7-3	10 $\pm$ 1	0.7	20	1.25	0.3	100	1KW	DC18
MCD027030S20H	2.7-3	20 $\pm$ 0.5	0.15	20	1.25	0.3	50	1KW	DC5
MCD027030S20HN	2.7-3	20 $\pm$ 1	0.7	20	1.25	0.3	100	1KW	DC18
MCD027030S30H	2.7-3	30 $\pm$ 0.5	0.15	20	1.25	0.3	50	1KW	DC5
MCD027030S30N	2.7-3	30 $\pm$ 1	0.7	20	1.25	0.3	100	1KW	DC18
MCD027030S40H	2.7-3	40 $\pm$ 1.5	0.7	15	1.3	0.3	50	1KW	DC21
MDC034042N10M	3.4-4.2	10 $\pm$ 1	0.7	20	1.25	0.5	50	1KW	DC15(N)
MDC035039S20M	3.5-3.9	20 $\pm$ 0.5	/	28	1.15	0.25	30	1KW	DC5
MCD040080S06M	4-8	6 $\pm$ 0.7	0.7	20	1.2	0.5	30	3KW	DC5
MCD040080S10M	4-8	10 $\pm$ 0.5	0.5	20	1.25	0.4	50	/	DC26
MCD040080N20M	4-8	20 $\pm$ 1	0.8	15	1.3	0.8	100	/	DC33
MCD040080S20M	4-8	20 $\pm$ 1.5	0.75	18	1.5	0.6	10	200	DC01/DC02
MCD040080S30M	4-8	30 $\pm$ 1	0.75	18	1.25	0.45	50	3WK	DC5
MCD040180S06M	4-18	6 $\pm$ 1	1	12	1.5	0.9	20	1KW	DC5
MCD040180S10M	4-18	10 $\pm$ 1	1	12	1.5	0.9	20	1KW	DC5
MCD040180S20M	4-18	20 $\pm$ 1	1	12	1.5	0.6	50	300	DC01/DC02
MCD046051S20M	4.9-5.1	20 $\pm$ 0.5	/	28	1.15	0.35	30	1KW	DC5
MCD060180S06M	6-18	6 $\pm$ 1	1	12	1.5	0.8	10	200	DC23
MCD060180S10M	6-18	10 $\pm$ 1	1	15	1.4	0.7	50	3KW	DC3
MCD060180S10L	6-18	10 $\pm$ 1	0.8	12	1.5	0.7	50	3KW	DC3
MCD060180S20M	6-18	20 $\pm$ 1	0.8	12	1.5	0.7	50	3KW	DC26
MCD060180S30M	6-18	30 $\pm$ 1	1	10	1.5	0.8	10	200	DC01/DC02
MCD060180S30HT	6-18	30 $\pm$ 1	1	8	1.6	0.9	200	1KW	DC16
MCD060180S30LT	6-18	30 $\pm$ 1	1	10	1.5	0.8	50	/	DC16
MCD070100S20M	7-10	20	1.5	10	1.6	1.2	10	/	TBD
MCD070124S10H	7-12.4	10 $\pm$ 1	/	17	1.3	1.2	50	2KW	DC6
MCD070124S20H	7-12.4	20 $\pm$ 1	/	17	1.3	0.4	50	2KW	DC6

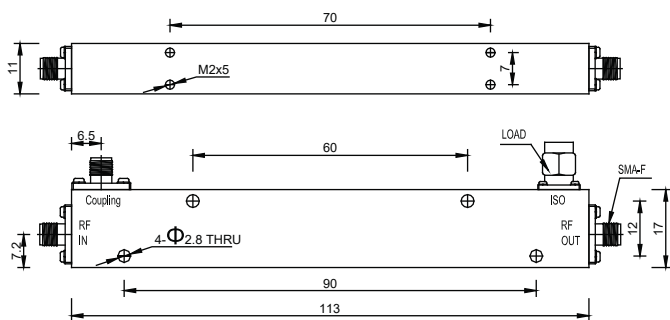


DIRECTIONAL COUPLER

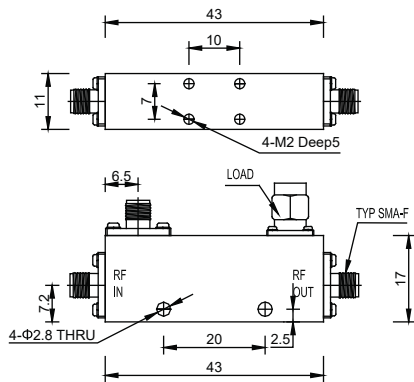
Part Number	Frequency Range (GHz)	Coupling (dB.Max)	Frequency Sensitivity ($\pm$ dB Max)	Directivity (dB Typ.)	VSWR (Max)	Insertion Loss (dB)	Power (W.Avg)	Power Peak	Case Type
MCD070124S20C	7-12.4	20 $\pm$ 0.75	0.5	17	1.3	0.4	50	1KW	DC28
MCD080120S06M	8-12	6 $\pm$ 0.5	0.5	15	1.35	0.5	50	1KW	DC23
MCD080120S10M	8-12	10 $\pm$ 1	0.8	15	1.5	0.6	50	3KW	DC26
MCD080120S20M	8-12	20 $\pm$ 1	0.8	15	1.4	0.65	50	1KW	DC5
MCD080180S06M	8-18	6 $\pm$ 1	0.6	12	1.5	2.4	50	2KW	DC7
MCD080180S10M	8-18	10 $\pm$ 1	1	12	1.5	0.7	10	200	DC01/DC02
MCD080180S20M	8-18	20 $\pm$ 1	1	12	1.5	0.8	30	3KW	DC3
MCD080180S20L	8-18	20 $\pm$ 1	0.8	15	1.4	0.65	50	1KW	DC5
MCD080180S30M	8-18	30 $\pm$ 1	1	12	1.5	0.8	50	1KW	DC5
MCD080180N30H	8-18	30	/	/	1.7	0.9	300	/	DC11
MCD094098S20H	9.4-9.8	20 $\pm$ 0.5	0.5	15	1.4	0.6	50	1KW	DC24
MCD100160S06M	10-16	6 $\pm$ 0.7	0.4	15	1.5	0.6	20	1KW	DC23
MCD100160S10M	10-16	10 $\pm$ 1	0.8	14	1.4	0.7	50	1KW	DC3
MCD100160S20M	10-16	20 $\pm$ 1	0.8	15	1.5	0.7	50	3KW	DC26
MCD100160S30M	10-16	30 $\pm$ 1	1	15	1.4	0.6	10	200	DC01/DC02
MCD100400S10M	10-40	10	/	10	1.5	1	30	/	DC34
MCD107127N10H	10.7-12.7	10 $\pm$ 1	1	20	1.3	1	50	1KW	DC33
MCD120180S10H	12-18	10 $\pm$ 1	0.5	15	1.4	0.6	50	1KW	DC5
MCD120180S10M	12-18	10 $\pm$ 1	0.5	12	1.4	0.6	50	1KW	DC5
MCD120180S20M	12-18	20 $\pm$ 1	0.5	12	1.4	0.6	50	1KW	DC5
MCD120180S30M	12-18	30 $\pm$ 1	0.5	12	1.6	0.6	10	20	DC01/DC02
MCD124180S10M	12.4-18	10 $\pm$ 1	0.6	12	1.5	2	5	500	DC20
MCD144149S30M	14.4-14.9	30 $\pm$ 1	0.5	15	1.4	0.6	50	1KW	DC5
MCD180220S10M	18-22	10 $\pm$ 1	1	10	1.55	0.1	50	30KW	DC3



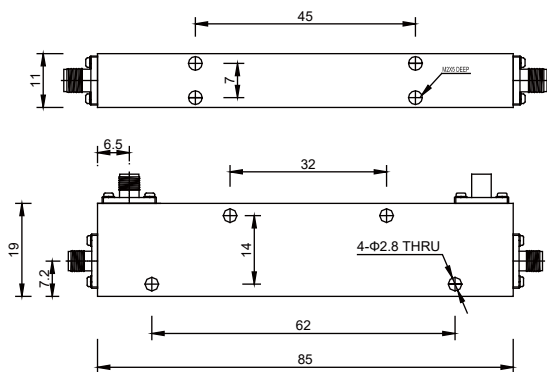
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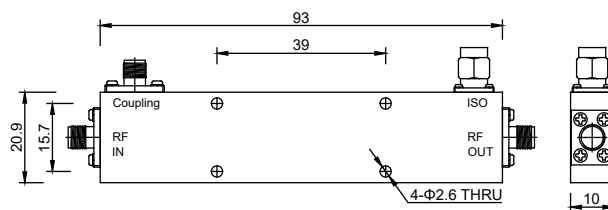
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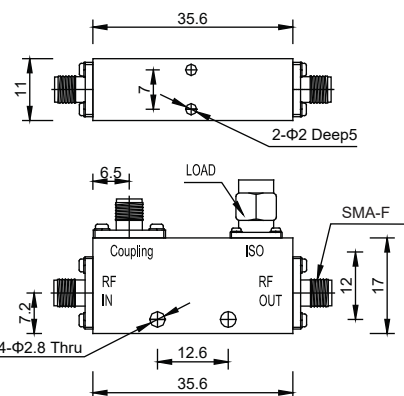
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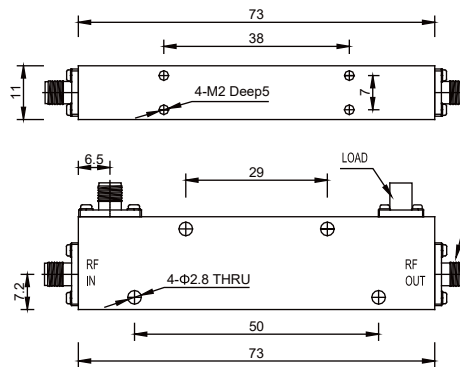
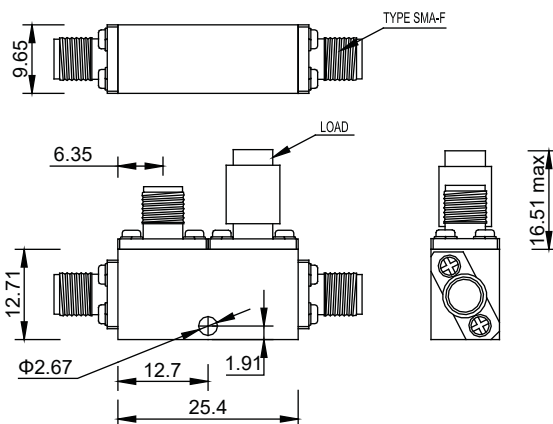
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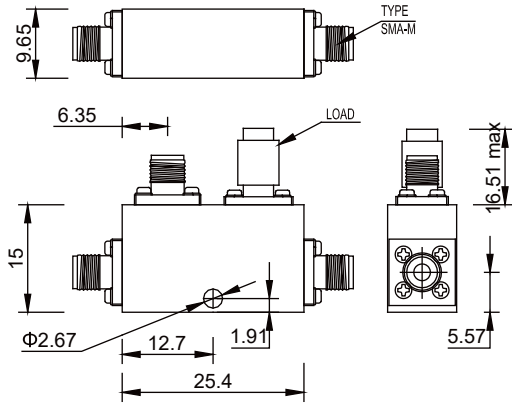
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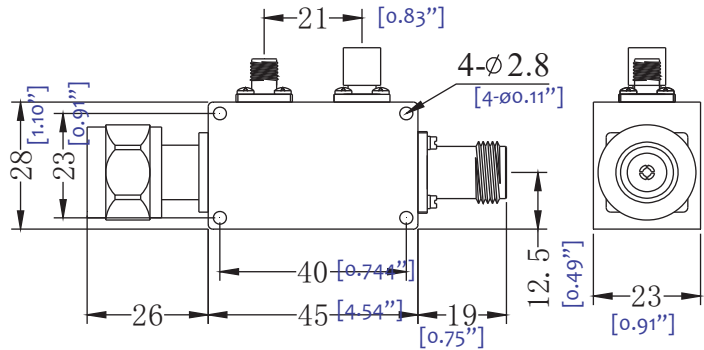
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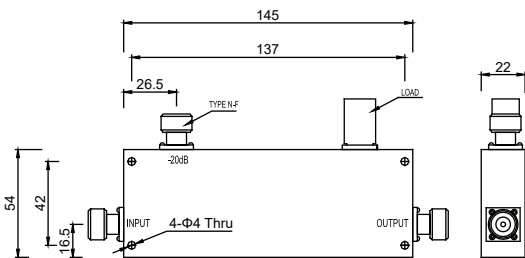
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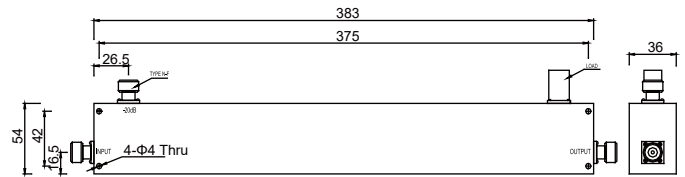
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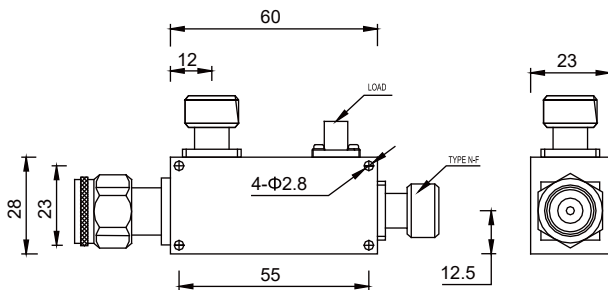
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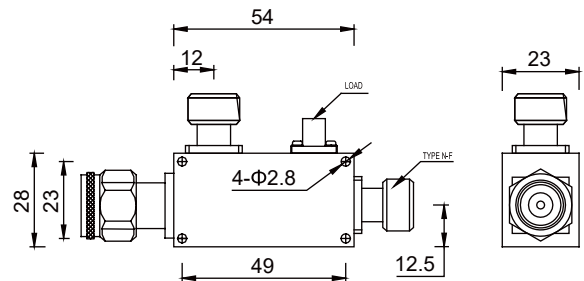
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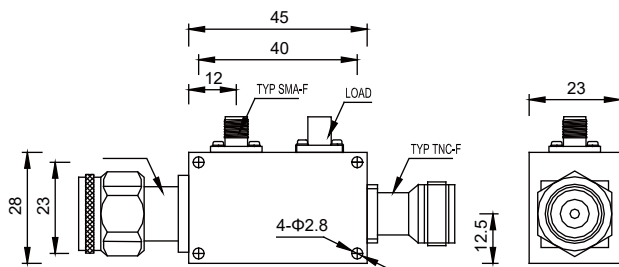
DC13



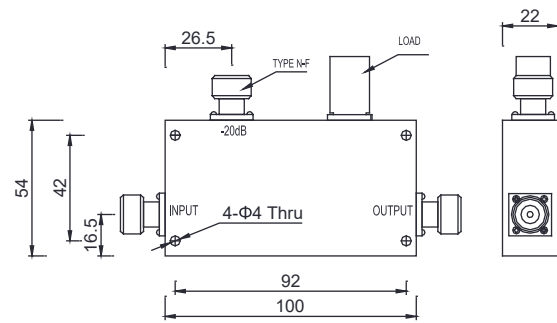
DC14



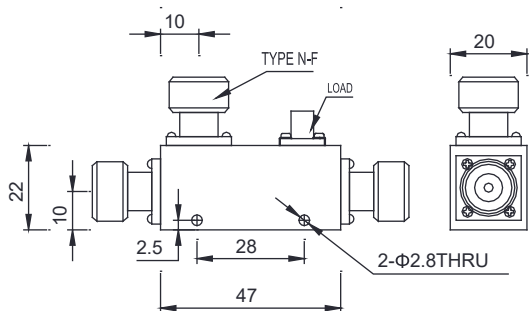
DC15



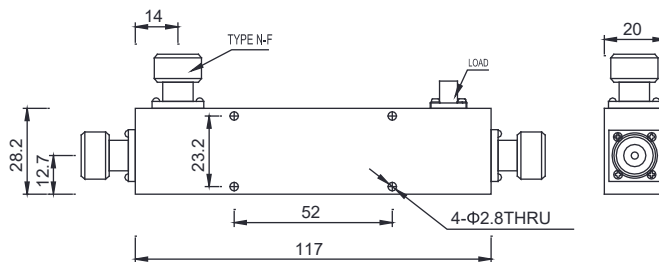
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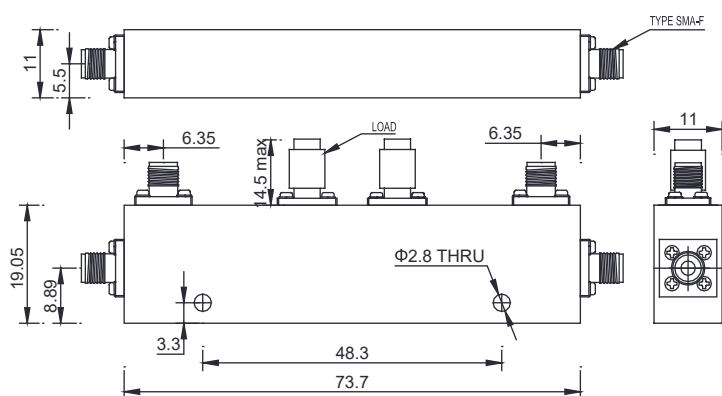
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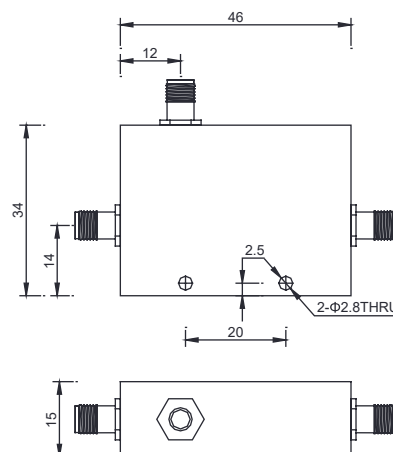
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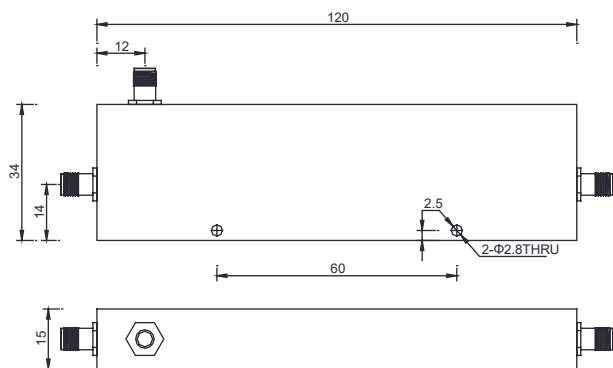
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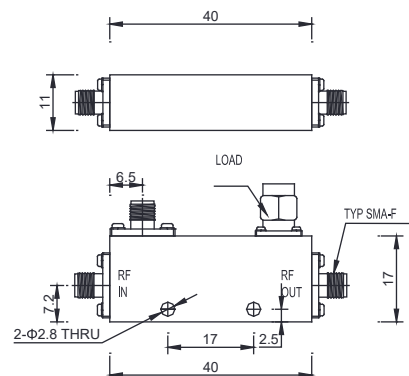
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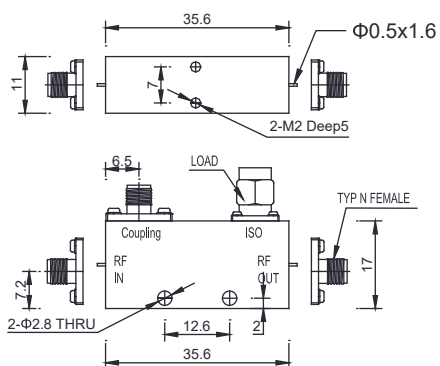
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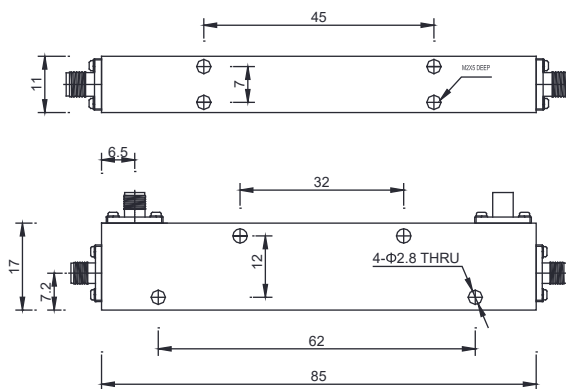
DC22



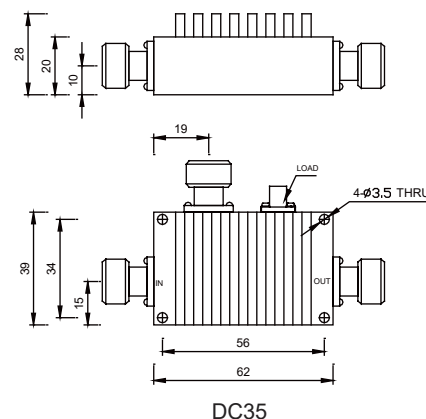
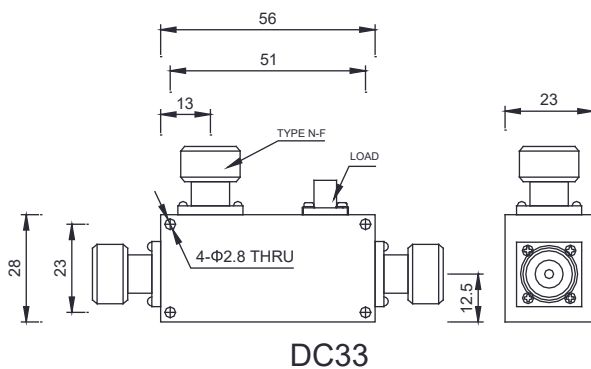
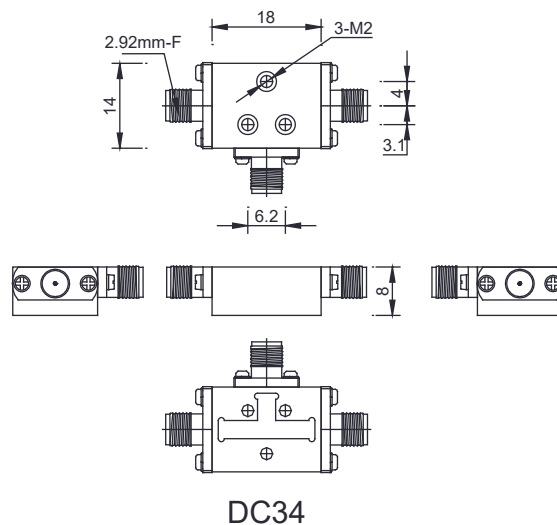
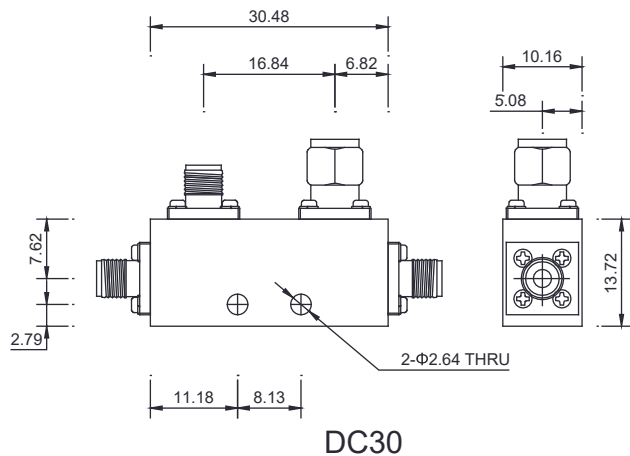
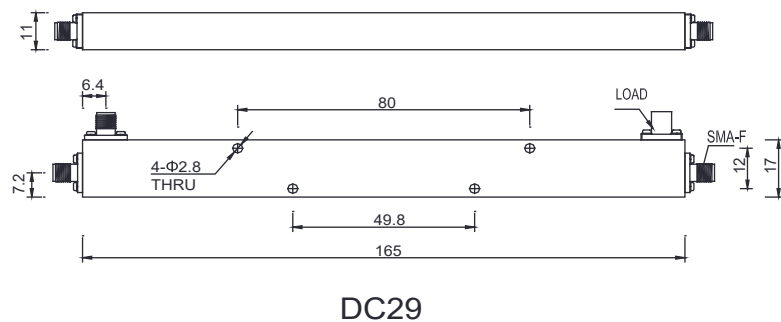
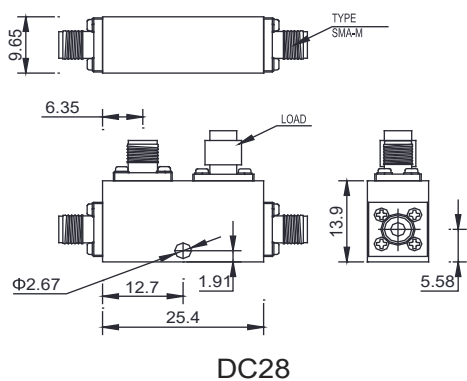
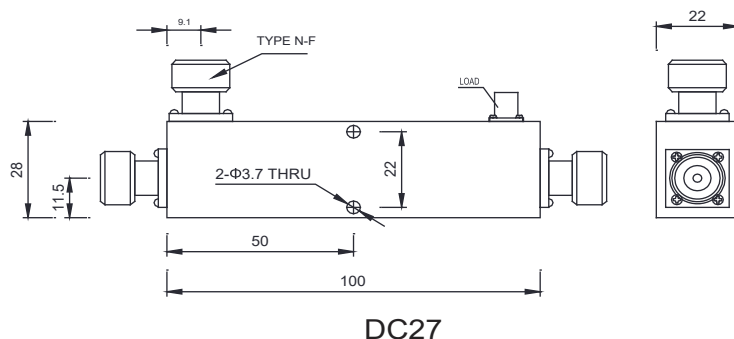
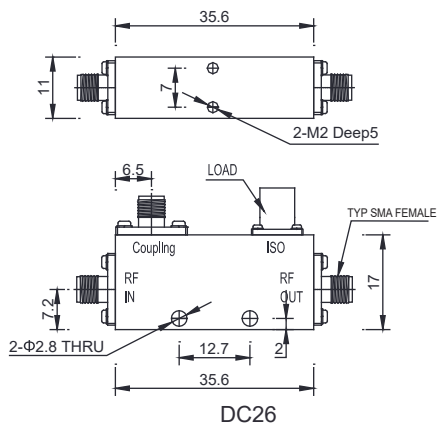
DC23

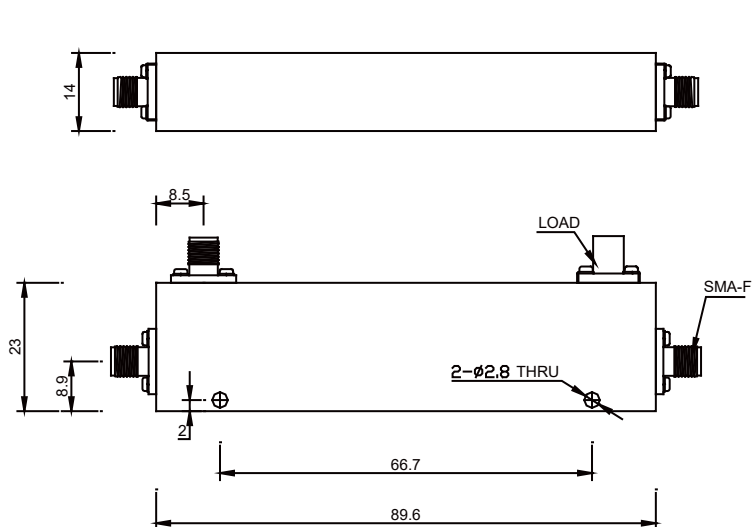


DC24

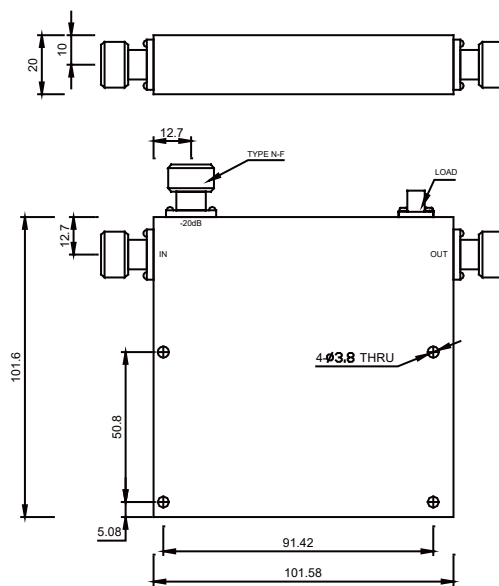


DC25

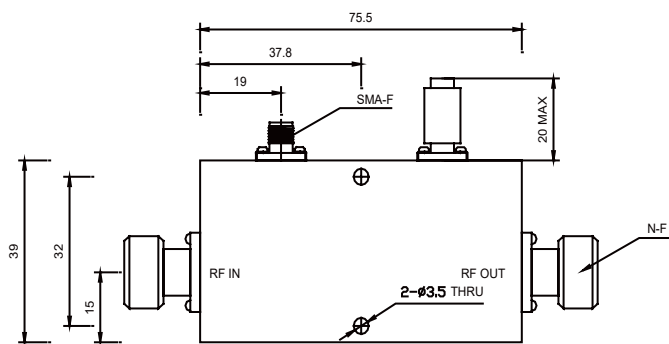




DC36



DC37(N)



DC38(N)