

Deewave Electronics offers a line of SMA/N Coaxial Circulators in various packages sizes and frequency bands, specifically designed for cellular and wireless markets. Reliability, cost and manufacturability are optimized at the design stage. Coaxial Circulators are designed to have some RFI and magnetic shielding with high quality materials to ensure optimum performance over the temperature range.

Coaxial Circulators with RF connectors, phase matching, counter clockwise rotation, higher reverse power capability, higher shielding along with required intermodulation specifications can be provided upon request. Deewave Electronics provide coaxial circulators with commercial series, broadbands series, high isolation series and etc.

And also, Deewave Electronics has the ability to provide a wide range of solutions to meet most applications.

Commercial Series

Part Number	Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temperature (°C)	Forward Power (W)	Connector type	Package Code
DCC045047	0.450-0.470	0.30	23	1.20	-40~+85	150	SMAF	C06
DCC069080	0.698-0.806	0.40	20	1.25	-40~+85	150	SMAF	C06
DCC082084-1	0.824-0.849	0.30	25	1.20	-40~+85	100	SMAF	C01
DCC082084-2	0.824-0.849	0.30	25	1.20	-40~+85	100	SMAF	C02
DCC086089-1	0.869-0.894	0.30	25	1.20	-40~+85	100	SMAF	C01
DCC086089-2	0.869-0.894	0.30	25	1.20	-40~+85	100	SMAF	C02
DCC089091-1	0.890-0.915	0.30	25	1.20	-40~+85	100	SMAF	C01
DCC089091-2	0.890-0.915	0.30	25	1.20	-40~+85	100	SMAF	C02
DCC093096-1	0.935-0.960	0.30	25	1.20	-40~+85	100	SMAF	C01
DCC093096-2	0.935-0.960	0.30	25	1.20	-40~+85	100	SMAF	C02
DCC171178-1	1.710-1.785	0.30	23	1.20	-40~+85	100	SMAF	C03
DCC171178-2	1.710-1.785	0.30	23	1.20	-40~+85	100	SMAF	C04
DCC175178-1	1.755-1.785	0.30	25	1.20	-40~+85	100	SMAF	C03
DCC175178-2	1.755-1.785	0.30	25	1.20	-40~+85	100	SMAF	C04
DCC180188-1	1.805-1.880	0.30	23	1.20	-40~+85	100	SMAF	C03
DCC180188-2	1.805-1.880	0.30	23	1.20	-40~+85	100	SMAF	C04
DCC180188-3	1.850-1.880	0.30	25	1.20	-40~+85	100	SMAF	C03
DCC180188-4	1.850-1.880	0.30	25	1.20	-40~+85	100	SMAF	C04
DCC185191-1	1.850-1.910	0.30	23	1.20	-40~+85	100	SMAF	C03
DCC185191-2	1.850-1.910	0.30	23	1.20	-40~+85	100	SMAF	C04

Note: All the specs above are at room temperature.

Commercial Series

Part Number	Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temperature (°C)	Forward Power (W)	Connector type	Package Code
DCC188192-1	1.880-1.920	0.30	25	1.20	-40~+85	100	SMAF	C03
DCC188192-2	1.880-1.920	0.30	25	1.20	-40~+85	100	SMAF	C04
DCC192198-1	1.920-1.980	0.30	23	1.20	-40~+85	100	SMAF	C03
DCC192198-2	1.920-1.980	0.30	23	1.20	-40~+85	100	SMAF	C04
DCC193199-1	1.930-1.990	0.30	23	1.20	-40~+85	100	SMAF	C03
DCC193199-2	1.930-1.990	0.30	23	1.20	-40~+85	100	SMAF	C04
DCC201202-1	2.010-2.025	0.30	25	1.20	-40~+85	100	SMAF	C03
DCC201202-2	2.010-2.025	0.30	25	1.20	-40~+85	100	SMAF	C04
DCC211217-1	2.110-2.170	0.30	23	1.20	-40~+85	100	SMAF	C03
DCC211217-2	2.110-2.170	0.30	23	1.20	-40~+85	100	SMAF	C04
DCC230240-1	2.300-2.400	0.30	23	1.20	-40~+85	100	SMAF	C03
DCC230240-2	2.300-2.400	0.30	23	1.20	-40~+85	100	SMAF	C04
DCC340360	3.400-3.600	0.30	23	1.20	-40~+85	50	SMAF	C05
DCC8701040	8.70-10.40	0.40	20	1.25	-40~+85	10	SMAF	C07
DCC10101070	10.10-10.70	0.30	23	1.20	-40~+85	10	SMAF	C07
DCC11001200	11.00-12.00	0.40	23	1.20	-40~+85	10	SMAF	C07
DCC12751325	12.75-13.25	0.30	23	1.20	-40~+85	10	SMAF	C07
DCC14251535	14.25-15.35	0.40	20	1.25	-40~+85	10	SMAF	C07
DCC16801800	16.80-18.00	0.50	20	1.30	-40~+85	10	SMAF	C07
DCC17701970	17.70-19.70	0.60	18	1.30	-40~+85	10	SMAF	C07
DCC23502450	23.50-24.50	0.60	18	1.30	-40~+85	10	SMAF	C08

Broadbands Series

Part Number	Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temperature (°C)	Forward Power (W)	Connector type	Package Code
DCC100200B	1-2	0.70	15	1.40	0~+60	20	SMAF	C09
DCC135270B	1.35-2.7	0.60	17	1.35	0~+60	20	SMAF	C10
DCC150250B	1.5-2.5	0.70	17	1.35	-30~+70	20	SMAF	C11
DCC200400B	2-4	0.60	16	1.40	-30~+70	20	SMAF	C12
DCC300600B	3-6	0.60	16	1.40	-30~+70	20	SMAF	C13
DCC400800B	4-8	0.60	18	1.30	-30~+70	10	SMAF	C14
DCC5001000B	5-10	0.60	18	1.30	-30~+70	10	SMAF	C14
DCC6001200B	6-12	0.60	16	1.40	-30~+70	10	SMAF	C15
DCC6001800B	6-18	1.50	11	1.90	-30~+70	10	SMAF	C16
DCC8001200B	8-12	0.50	20	1.25	-30~+70	10	SMAF	C17
DCC8001800B	8-18	0.80	16	1.50	-30~+70	10	SMAF	C18
DCC10001500B	10-15	0.50	20	1.25	-30~+70	10	SMAF	C17
DCC12001800B	12-18	0.60	18	1.35	-30~+70	10	SMAF	C17

Note: All the specs above are at room temperature.

High Isolation Series (Dual-junction Coaxial Circulators)

Part Number	Frequency Range (GHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temperature (°C)	Forward Power (W)	Connector type	Package Code
DCC086089I	0.869-0.894	0.60	50	1.20	-40~+85	150	SMAF	C19
DCC093096I	0.935-0.960	0.60	50	1.20	-40~+85	150	SMAF	C19
DCC180188I	1.805-1.880	0.60	50	1.20	-40~+85	150	SMAF	C20
DCC193199I	1.930-1.990	0.60	50	1.20	-40~+85	150	SMAF	C20
DCC211217I	2.110-2.170	0.60	50	1.20	-40~+85	150	SMAF	C20

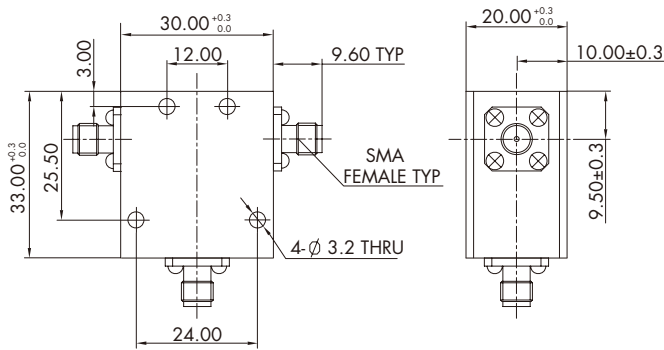
Select-A-Frequency (Customerized)

Part Number	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Operating Temperature (°C)	Average Power (W)	Size L*W*H (mm)	Connector type
DCC030040C	0.3-0.4	30	0.30	25	1.20	-15~+60	150	52*57.5*22	SMA/N
DCC040060C	0.4-0.6	30	0.30	25	1.20	-15~+60	150	44*49.5*21	SMA/N
		10	0.30	23	1.20	-15~+60	150	35*38*20	
		10	0.30	25	1.20	-15~+60	150	38.1*38.1*15	SMA
DCC060100C	0.6-1.0	30	0.30	23	1.20	-30~+70	150	35*38*20	SMA/N
		30	0.30	25	1.20	-30~+70	150	38.1*38.1*15	SMA
		200	0.40	20	1.25	-30~+70	150		
DCC080120C	0.8-1.2	70	0.30	23	1.20	-30~+70	100	30*33*20	SMA/N
		200	0.50	20	1.25	-30~+70	100		
		70	0.30	23	1.20	-30~+70	100	30*33*15	SMA
		200	0.50	20	1.25	-30~+70	100		
DCC120270C	1.2-2.7	70	0.30	23	1.20	-30~+70	100	25.4*28.5*20	SMA/N
		200	0.40	20	1.25	-30~+70	100		
		70	0.30	23	1.20	-30~+70	100	25.4*28.5*15	SMA
		200	0.40	20	1.25	-30~+70	100		
		70	0.60	45	1.20	-30~+70	100	50.8*28.5*20	SMA/N
		200	0.80	40	1.25	-30~+70	100		
DCC150250C	1.5-2.5	70	0.30	23	1.20	-30~+70	30	20*25.4*15	SMA
DCC200350C	2-3.5	200	0.30	23	1.20	-30~+70	20	25*25*15	SMA
		400	0.40	20	1.20	-30~+70	20		
DCC350650C	3.5-6.5	300	0.30	23	1.20	-40~+75	20	16*21*14	SMA
		600	0.40	20	1.20	-40~+75	20		
		300	0.60	50	1.20	-40~+75	20	32*21*14	SMA
		300	0.30	23	1.20	-40~+75	20	20*24*18	SMA/N
		600	0.40	20	1.20	-40~+75	20		
		DCC6501800C	6.5-18.0	300	0.30	23	1.20	-40~+75	10
1000	0.40			20	1.20	-40~+75	10		
DCC18002500C	18-25	1000	0.60	18	1.35	-40~+75	10	12*15*11	SMA

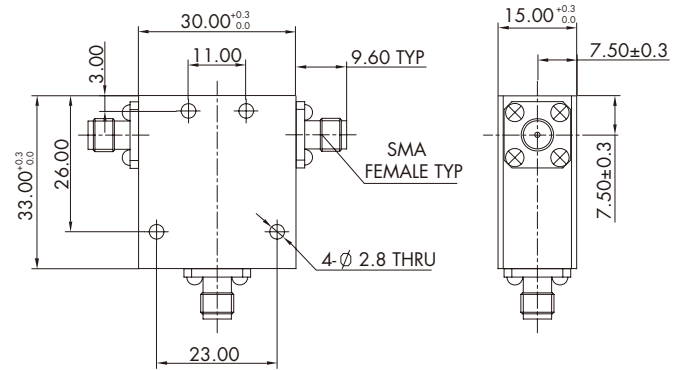
Note: All the specs above are at room temperature.

Package Drawing

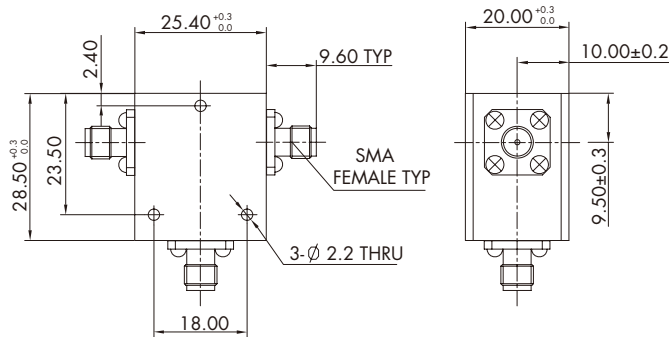
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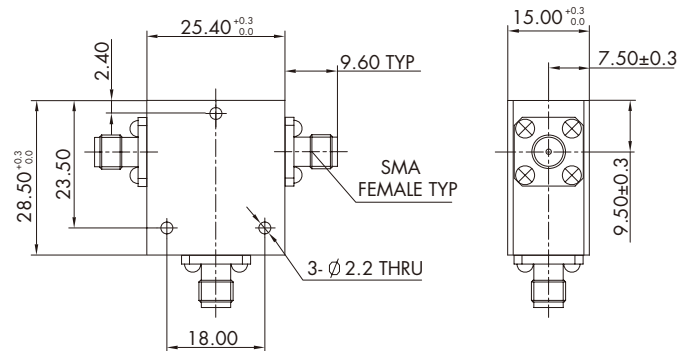
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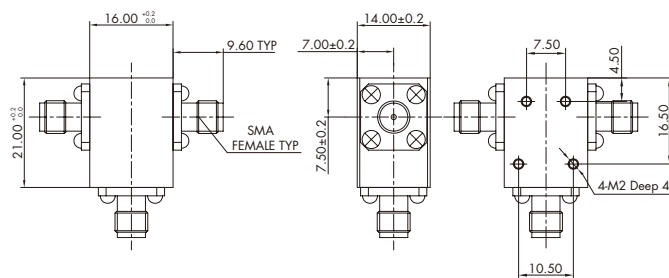
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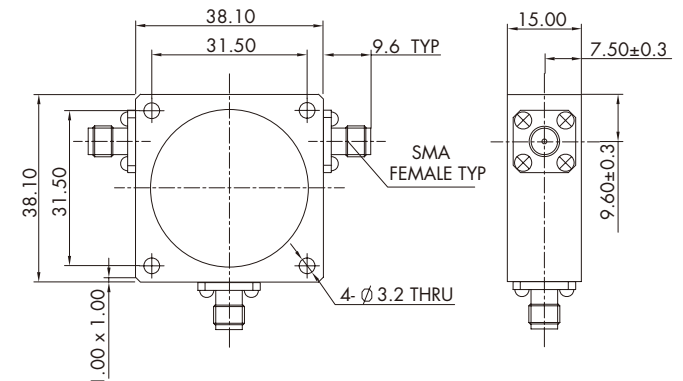
C04



C05



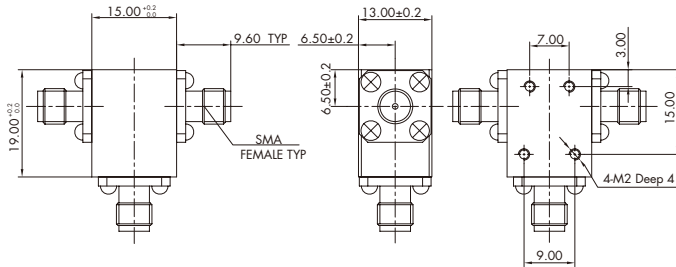
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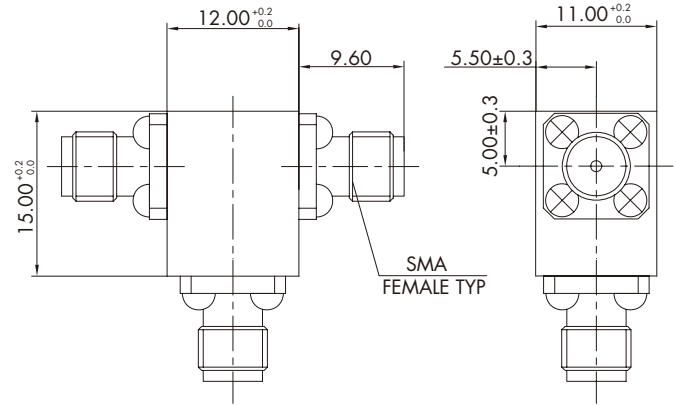
Note: All dimensions are in mm.

Package Drawing

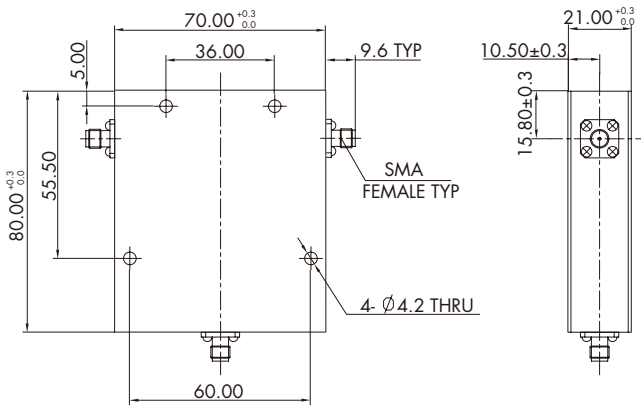
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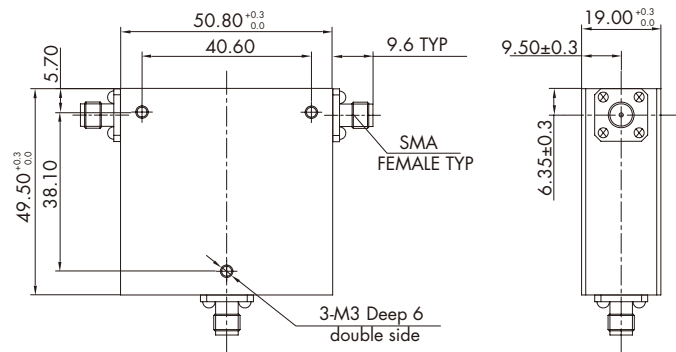
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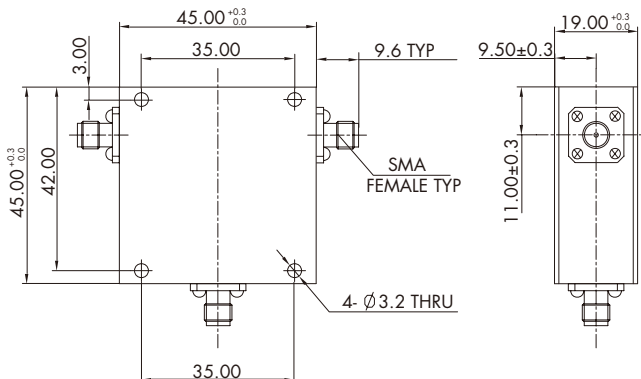
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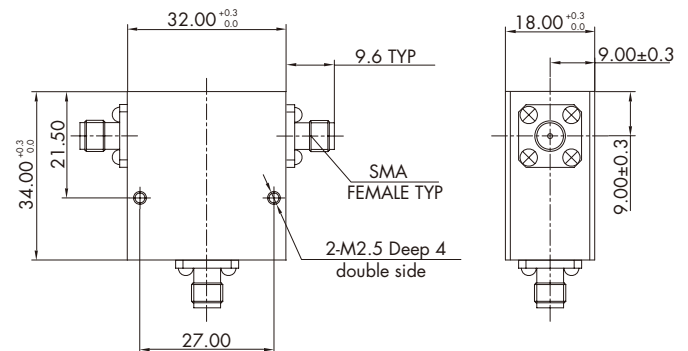
C10



C11



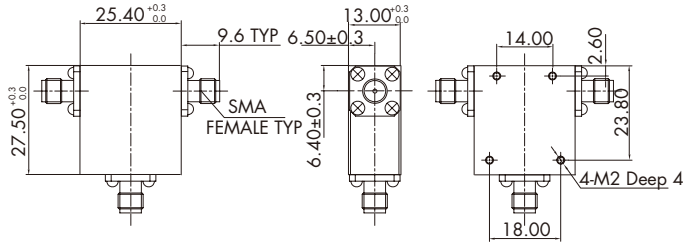
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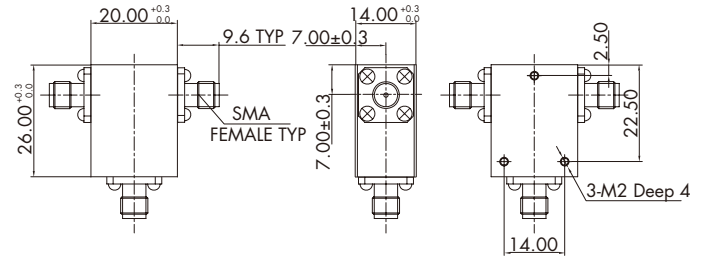
Note: All dimensions are in mm.

Package Drawing

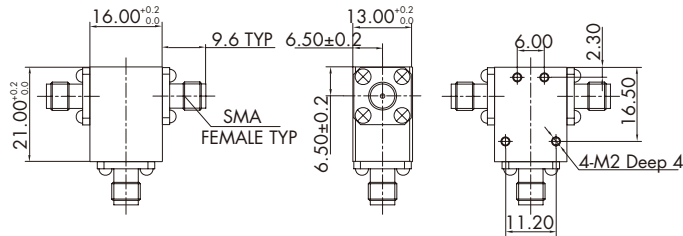
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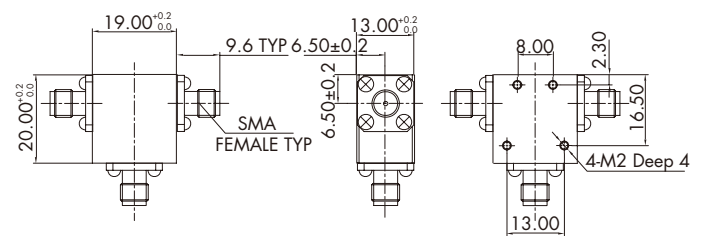
C14



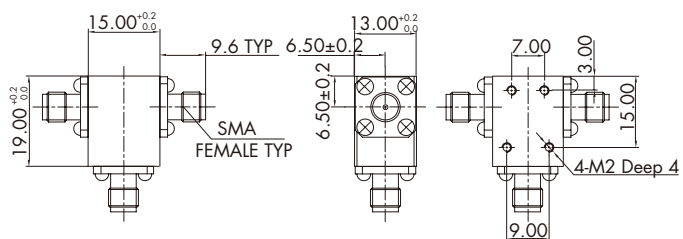
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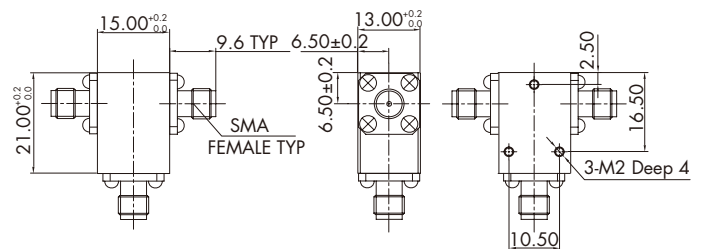
C16



C17



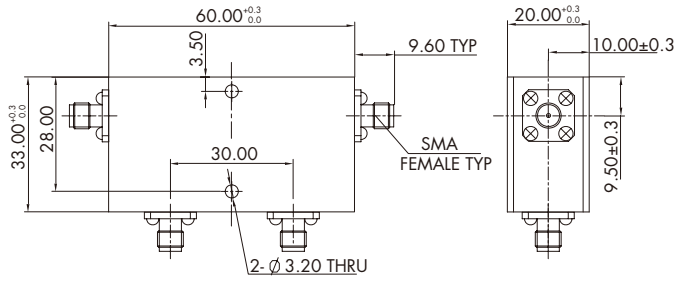
C18



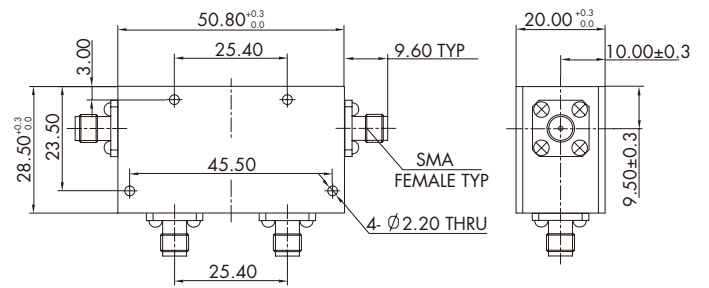
Note: All dimensions are in mm.

Package Drawing

C19



C20



Note: All dimensions are in mm.