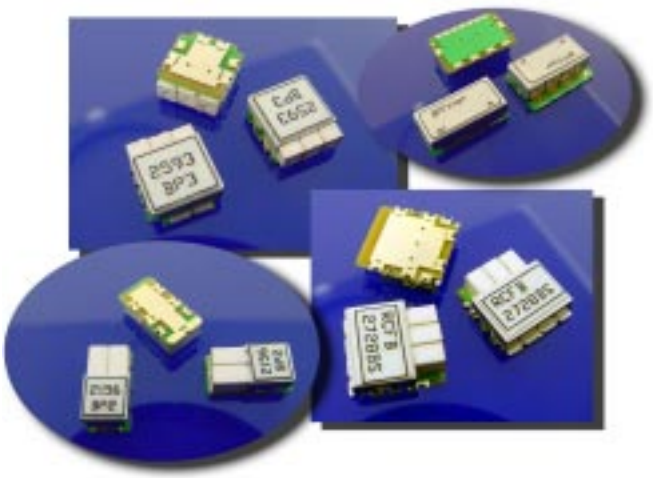
Applications

- Satellite Receivers-Down Converters
- Global Positioning Systems
- Wireless LAN Equipment
- Cellular and Cordless Phones

Features

- Wide Frequency Range of 600 to 2500 MHz
- High Q Resonator
- Excellent Temperature Stability and Attenuation
- Low Insertion Loss
- Custom Designs for Application Specific Products

RCFand RDX Series

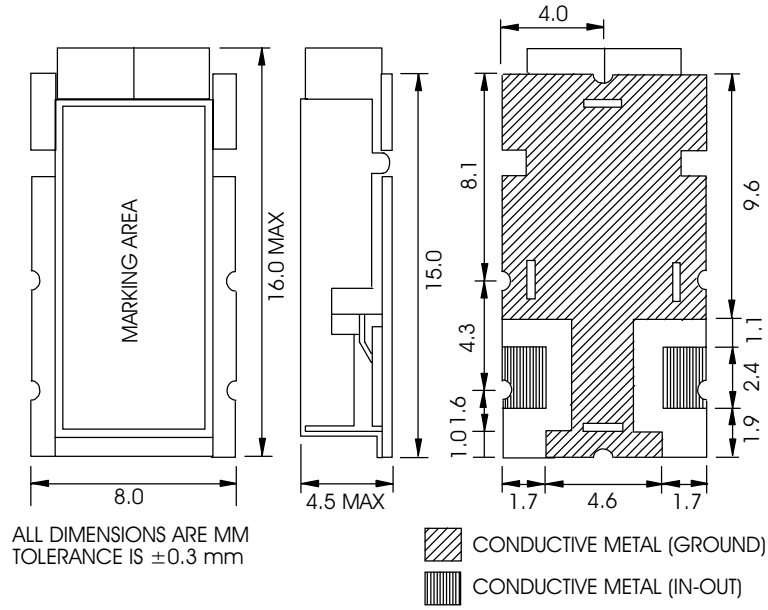


Specifications

2 Pole Bandpass Filter

Part Number	Center Frequency	Bandwidth	Insertion Loss	Ripple (Max)	V.S.W.R (Max)	Attenuation (Min)
RCFA1-836BP2	836.5 MHz	F_0±12.5 MHz	2.2 dB	0.8 dB	2	5 dB at Fo±32.5 MHz
RCFA1-881BP2	881.5 MHz					
RCFA1-841BP2	841.0 MHz	F_0±2.0 MHz	2.5 dB	0.3 dB	2	22 dB at Fo±70 MHz
RCFA1-866BP2	866.0 MHz					
RCFA1-948BP2	948.0 MHz	F_0±4.0 MHz	2.5 dB	0.5 dB	2	
RCFA1-902BP2	902.5 MHz	F_0±12.5 MHz	2.2 dB	0.8 dB	2	6 dB at Fo±32.5 MHz
RCFA1-947BP2	947.5 MHz					
RCFA1-915BP2	915.0 MHz	F_0±13.0 MHz	2.3 dB	1.0 dB	2.5	18 dB at Fo±80 MHz
RCFA1-1575BP2	1575.5 MHz	F_0±1.0 MHz	3.0 dB	0.5 dB	2	18 dB at Fo±50 MHz
RCFA1-1890BP2	1890.0 MHz	F_0±10.0 MHz	1.8 dB	0.5 dB	2	16 dB at Fo±160 MHz

Outline Drawing



RCFA Package

Typical Applications for RCFA Series

E-Amps
CT-2
GSM
ISM915

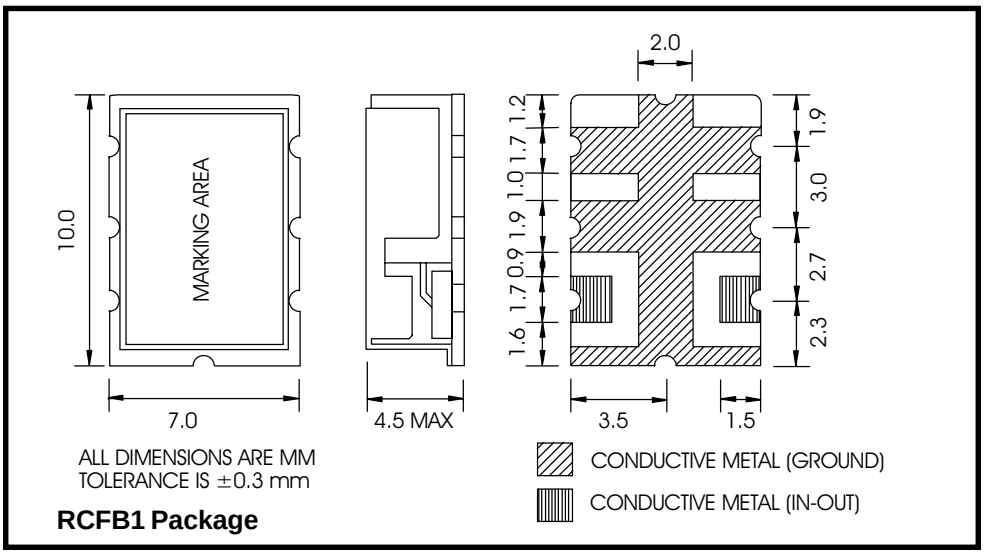
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Specifications

3 Pole Bandpass Filter

Part Number	Center Frequency	Bandwidth	Insertion Loss (Max)	Ripple (Max)	V.S.W.R (Max)	Attenuation (Min)
RCFB1-815BP3	815.0 MHz	F_0±10.0 MHz	2.8 dB	0.8 dB	2	36 dB @ Fo±80 MHz
RCFB1-860BP3	860.0 MHz					
RCFB1-836BP3	836.5 MHz	F_0±12.5 MHz	3.0 dB	1.0 dB	2	12 dB @ Fo±32.5 MHz
RCFB1-881BP3	881.5 Mhz					
RCFB1-841BP3	841.0 MHz	F_0±2.0 MHz	3.0 dB	0.3 dB	2	44 dB @ Fo±75 MHz
RCFB1-866BP3	866.0 MHz					
RCFB1-948BP3	948.0 MHz	F_0±4.0 MHz	3.0 dB	0.5 dB	2	32 dB @ Fo±50 MHz

Outline Drawings

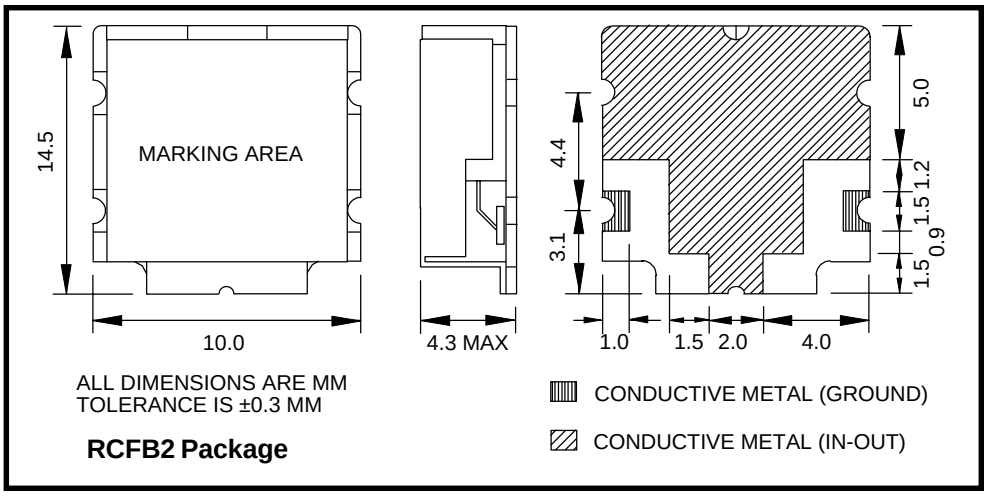


RCFB1 Package

Applications for RCFB1

LMR
E-Amps
CT-2

Part Number	Center Frequency	Bandwidth	Insertion Loss (Max)	Ripple (Max)	V.S.W.R (Max)	Attenuation (Min)
RCFB2-888BP3	888.5 MHz	F_0±16.5 MHz	3.0 dB	1.3 dB	2	7 dB @ Fo±28.5 MHz
RCFB2-933BP3	933.5 MHz					
RCFB2-902BP3	902.5 MHz	F_0±12.5 MHz	2.6 dB	1.0 dB	2	12 dB @ Fo±32.5 MHz
RCFB2-947BP3	947.5 MHz					
RCFB2-915BP3	915.5 MHz	F_0±13.0 MHz	3.0 dB	1.0 dB	2	12 dB @ Fo±32.5 MHz
RCFB2-897BP3	897.5 MHz	F_0±17.5 MHz	3.0 dB	1.3 dB	2	6 dB @ Fo±28.5 MHz
RCFB2-942BP3	942.5 MHz					



RCFB2 Package

Applications for RCFB2

GSM
E-TACS
ISM915
E-GSM

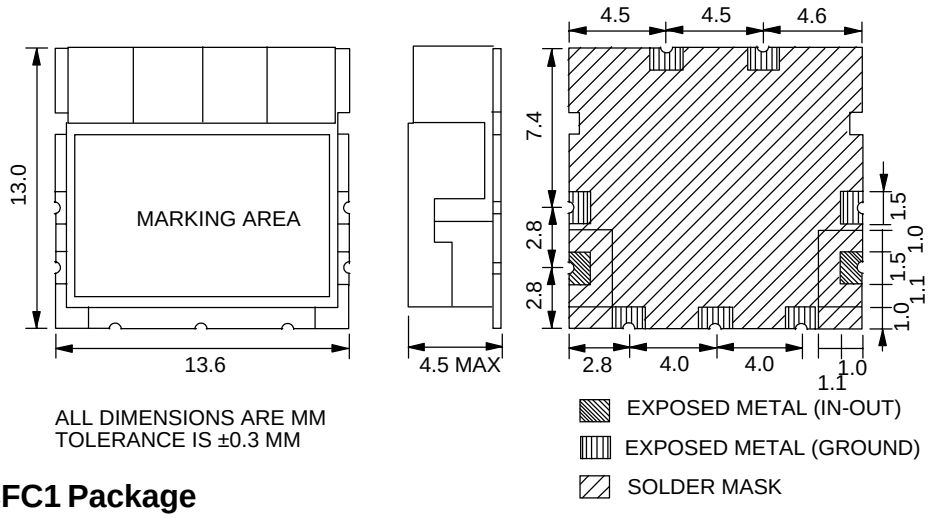
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Specifications

4 Pole Bandpass Filter

Part Number	Center Frequency	Bandwidth	Insertion Loss (Max)	Ripple (Max)	V.S.W.R (Max)	Attenuation (Min)
RCFC1-1930BP4	1930.0 MHz	F_0±10.0 MHz	4.5 dB	0.8 dB	2	40 dB @ Fo±70 MHz
RCFC1-2120BP4	2120.0 MHz					
RCFC1-2315BP4	2315.0 MHz	F_0±15.0 MHz	4.5 dB	1.0 dB	1.8	40 dB @ Fo±90 MHz
RCFC1-2385BP4	2385.0 MHz					

Outline Drawings

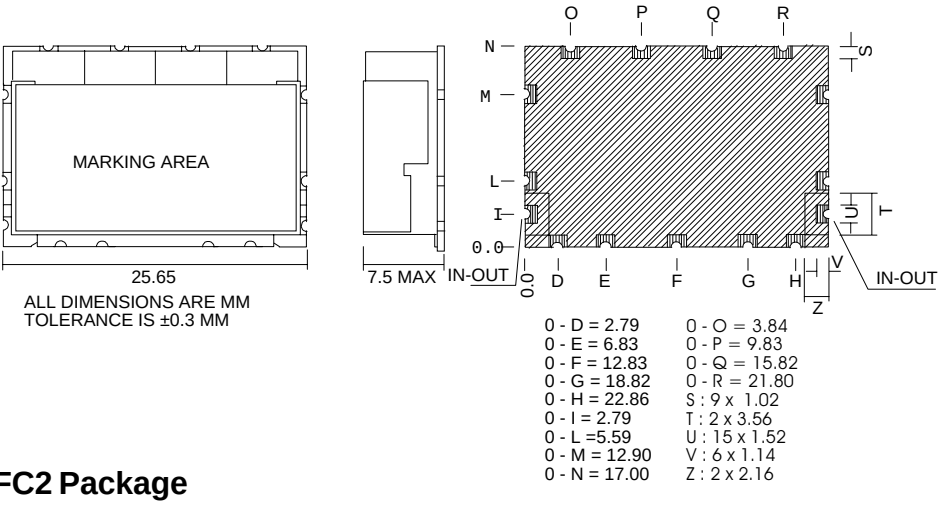


RCFC1 Package

Applications for RCFC1

IMT-2000
WLL

Part Number	Center Frequency	Bandwidth	Insertion Loss (Max)	Ripple (Max)	V.S.W.R (Max)	Attenuation (Min)
RCFC2-813BP4	813.0 MHz	F_0±5 MHz	3.5 dB	0.5 dB	2	30 dB @ Fo±40 MHz
RCFC2-813BP4	836.5 MHz	F_0±12.5 MHz	3.0 dB	0.8 dB	2	20 dB @ Fo±32.5 MHz
RCFC2-813BP4	881.5 MHz					



RCFC2 Package

Applications for RCFC2

TRS
AMPS

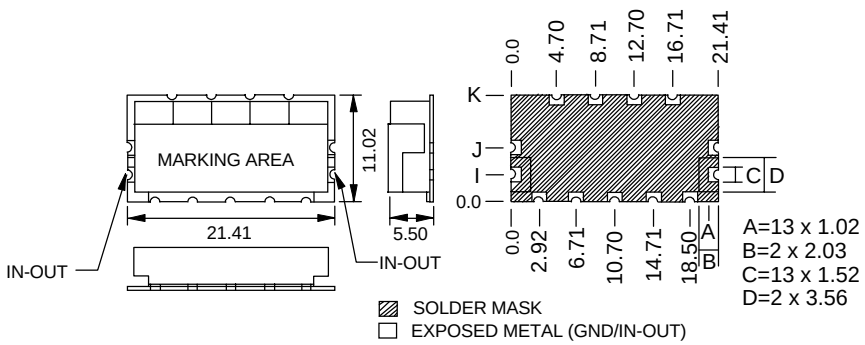
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Specifications

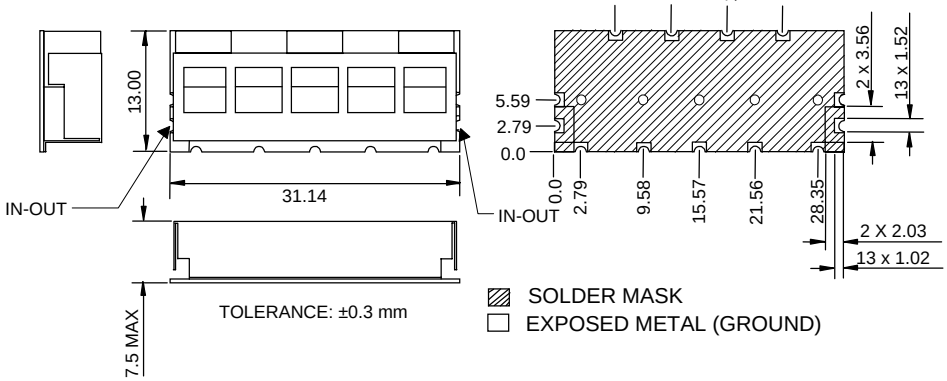
5 Pole Bandpass Filter

Part Number	Center Frequency	Bandwidth	Insertion Loss (Max)	Ripple (Max)	V.S.W.R (Max)	Attenuation (Min)
RCFD1-1310BP5	1310.0 MHz	F_0±17.5 MHz	4.1 dB	1.6 dB	2	12 dB @ Fo±28 MHz
RCFD1-1950BP5	1950.0 MHz	F_0±30.0 MHz	3.0 dB	1.0 dB	1.5	40 dB @ 2070 MHz
RCFD1-2140BP5	2140.0 MHz					40 dB @ 2260 MHz
RCFD1-2800BP5	2800.0 MHz	F_0±1000 MHz	3.0 dB	1.6 dB	2	60 dB @ Fo±1000 MHz
RCFD1-836BP5	836.5 MHz	F_0±12.5 MHz	3.0 dB	1.0 dB	2	28 dB @ Fo±32.5 MHz
RCFD1-881BP5	881.5 MHz					
RCFD1-808BP5	808.0 MHz	F_0±5.0 MHz	4.5 dB	1.0 dB	2	50 dB @ Fo±45 MHz
RCFD1-852BP5	852.0 MHz					
RCFD1-1690BP5	1690.0 MHz	F_0±25.0 MHz	4.0 dB	1.0 dB	2	50 dB @ Fo±140 MHz
RCFD1-1972BP5	1972.0 MHz	F_0±2.5 MHz	5.0 dB	0.5 dB	2	25 dB @ Fo±32.5 MHz

Outline Drawings



RCFD1 Package



RCFD2 Package

Applications for RCFD1/D2

RADIO LINK
IMT- 2000
LAN
AMPS
TRS

Specifations for the RCFD1 package are also available for the RCFD2 Package.
Other specifations are available in these packages.

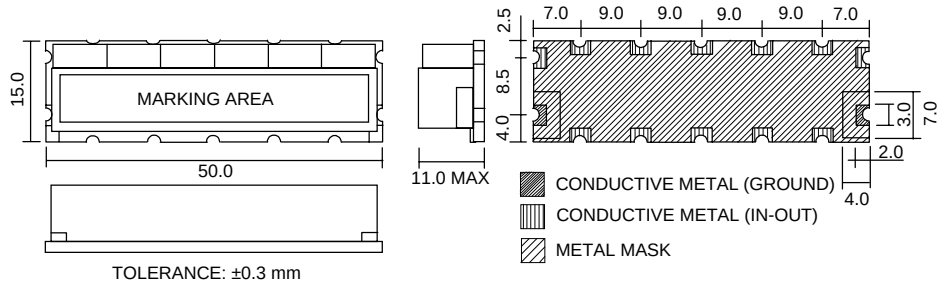
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Specifications

6 Pole Bandpass Filter

Part Number	Center Frequency	Bandwidth	Insertion Loss (Max)	Ripple (Max)	V.S.W.R (Max)	Attenuation (Min)
RCFE1-2332BP6	1030.0 MHz	F_0±4.5 MHz	5.0 dB	0.8 dB	2	45 dB @ Fo±25.0 MHz
RCFE1-1030BP6	2332.5 MHz	F_0±27.5 MHz	3.0 dB	1.0 dB	2	23 dB @ Fo±57.5 MHz

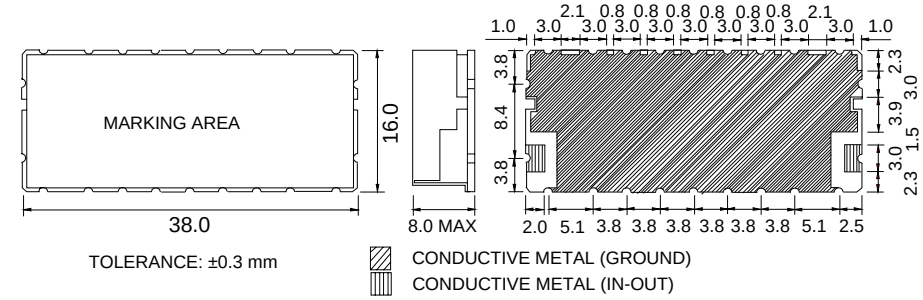
Outline Drawings



RCFE1 Package

Applications for RCFE1/E2

Satellite Link
IMT- 2000



RCFE2 Package

Specifations for the RCFE1 package are also available for the RCFE2 Package.
Other specifations are available in these packages.

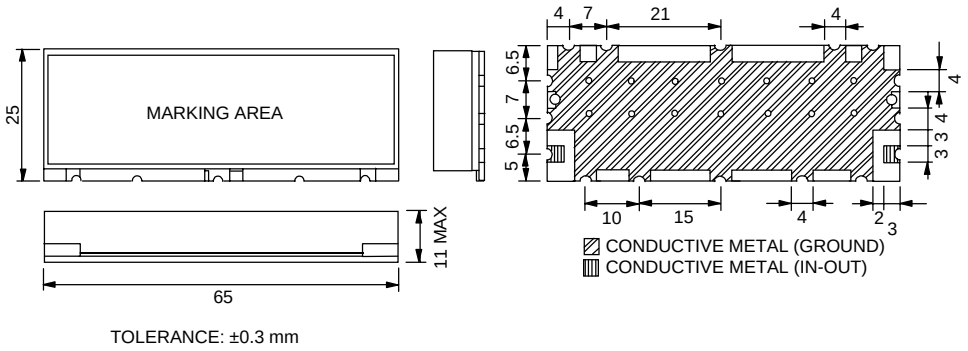
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Specifications

8 Pole Bandpass Filter

Part Number	Center Frequency	Bandwidth	Insertion Loss (Max)	Ripple (Max)	V.S.W.R (Max)	Attenuation (Min)
RCFF1-645BP8	645.0 MHz	F_0±5.0 MHz	5.0 dB	0.5 dB	2	70 dB @ Fo±70 MHz
RCFF1-675BP8	675.0 MHz					
RCFF1-735BP8	735.0 MHz					
RCFF1-765BP8	765.0 MHz					
RCFF1-795BP8	795.0 MHz					
RCFF1-836BP8	836.5 MHz	F_0±12.5 MHz	5.5 dB	2.0 dB	2	70 dB @ Fo±42.5 MHz
RCFF1-847BP8	847.14 MHz	F_0±1.85 MHz	20.0 dB	2.2 dB	2	20 dB @ Fo±5 MHz
RCFF1-892BP8	892.14 MHz					
RCFF1-902BP8	902.5 MHz	F_0±12.5 MHz	5.5 dB	1.5 dB	2	60 dB @ Fo±44.5 MHz
RCFF1-911BP8	911.5 MHz		15.0 dB	3.5 dB	2	70 dB

Outline Drawing



TOLERANCE: ±0.3 mm

RCFF1 Package

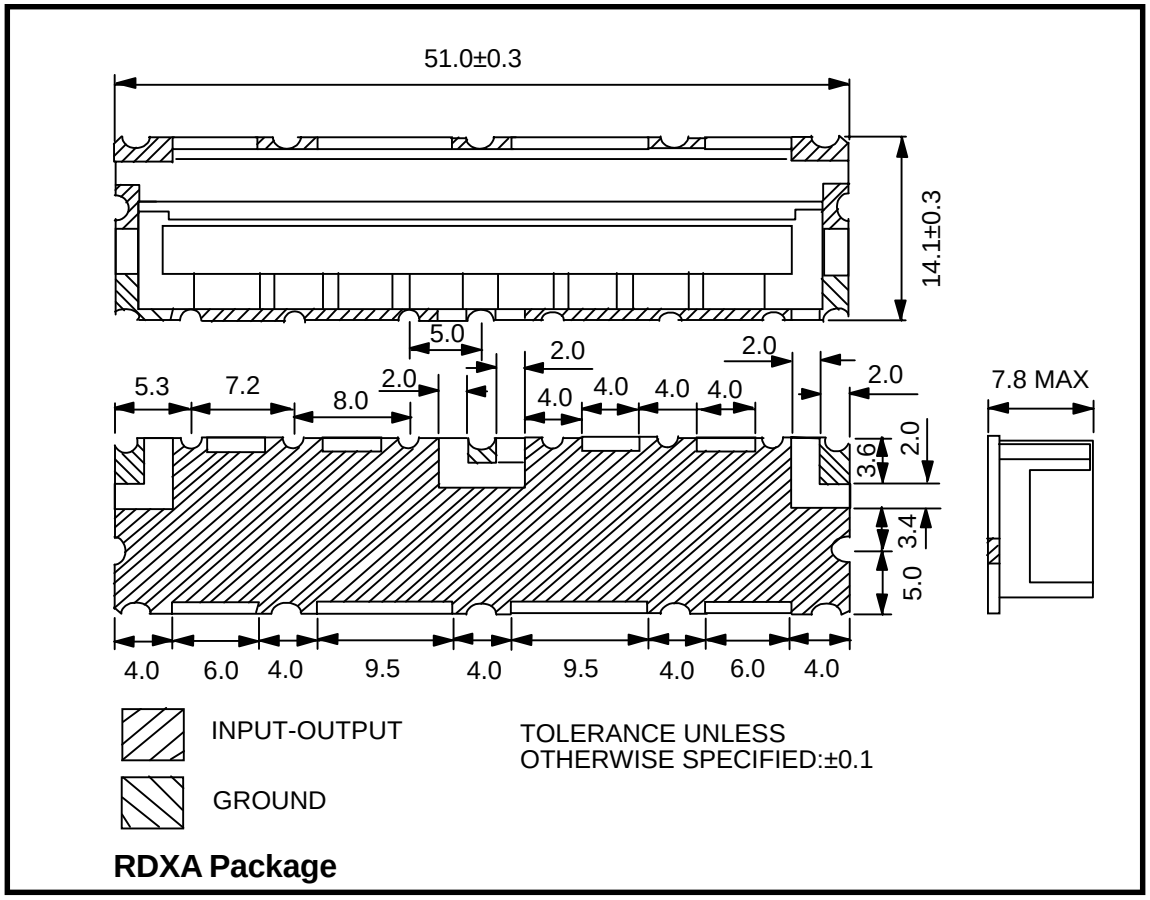
Other specifications are available in the RCFF1 package.

Specifications

Duplexers

Part Number		Center Frequency	Bandwidth	Insertion Loss	Ripple (Max)	V.S.W.R (Max)	Attenuation (Min)
RDXA-R2180-T1690A	Tx	1690 MHz	Fo±32.5 MHz	1.5 dB	0.5 dB	1.5	50 dB at 1718 MHz
	Rx	2180 MHz		2.0 dB	0.5 dB	1.5	50 dB at 2152 MHz
RDXA-R1855-T1765A	Tx	1765 Mhz	Fo±15.0 MHz	1.7 dB	1.0 dB	1.5	42 dB at Fr±15 MHz
	Rx	1855 MHz		2.5 dB	1.0 dB	1.5	43 dB at Fr±15 MHz
RDXA-R2385-T2315A	Tx	2315 MHz	Fo±15.0 MHz	1.5 dB	1.0 dB	1.5	45 dB at Fr±15 MHz
	Rx	2385 MHz		2.5 dB	1.0 dB	1.5	50 dB at Fr±15 MHz
RDXA-R947-T902A	Tx	902.5 MHz	Fo±12.5 MHz	2.5 dB	0.8 dB	1.5	48 dB at Fr±12.5 MHz
	Rx	947.5 MHz		3.0 dB	0.8 dB	1.5	48 dB at Fr±12.5 MHz
RDXA-R2140-T1950A	Tx	1950 MHz	Fo±30.0 MHz	2.0 dB	0.5 dB	1.5	50 dB at Fr±15 MHz
	Rx	2140 MHz		2.0 dB	1.0 dB	1.5	50 dB at Fr±15 MHz
RDXA-R858-T813A	Tx	813 MHz	Fo±5.0 MHz	2.0 dB	0.8 dB	1.5	50 dB at Fr±.05 MHz
	Rx	858 MHz		2.0 dB	0.8 dB	1.5	50 dB at Fr±5.0 MHz
RDXA-R881-T836A	Tx	836.5 MHz	Fo±12.5 MHz	2.0 dB	0.8 dB	1.5	50 dB at Fr±12.5 MHz
	Rx	881.5 MHz		2.3 dB	0.8 dB	1.5	50 dB at Fr±15 MHz
RDXA-R1855-T1765A	Tx	1765 MHz	Fo±15.0 MHz	2.0 dB	0.8 dB	1.5	55 dB at Fr±15 MHz
	Rx	1855 MHz		2.0 dB	0.8 dB	1.5	55 dB at Fr±15 MHz

Outline Drawing



RDXA Package

Other specifations are available in the RDXA package.
Also other duplexer package types are available.