

Telecom Products Catalogue

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- SRFS2001-801:** Filter,1880-1920M,Band 39
- SRFS2001-802:** Filter,2300-2390M,Band 40
- SRFS2001-803:** Filter,865-869M
- SRFS2001-805:** Filter,2505-2685M,Band 41
- SRFS2001-808:** Filter,1880-1915M,Band 39,10W
- SRFS2001-809:** Filter,2300-2390M,Band 40,10W
- SRFS2001-810:** Filter,824-839MHz&869-884MHz
- SRFS2001-823:** Ceramic Filter,3300-3800M
- SRFS2001-833:** Helical Filter,162M
- SRFS2001-834:** Helical Filter,150&155M
- SRFS2001-835:** Helical Filter,165&170M
- SRFS2001-837:** Filter,2300-2390M
- SRFS2001-840:** Filter,703-803M

Duplexer.....P19~P32

- SRFS2002-801:** Duplexer,1850-1995M,1695-1780M&2110-2200M
- SRFS2002-802:** Duplexer,555-960M,1695-2700M
- SRFS2002-803:** Duplexer,555-787M,824-894M
- SRFS2002-805:** Duplexer,1920-1980M,2110-2170M
- SRFS2002-806:** Duplexer,2575-2615M,2540-2560&2660-2680M
- SRFS2002-808:** Duplexer,320-344M,1574-1577M

-SRFS2002-809:Duplexer,1810-1870M,1730-1765M

-SRFS2002-810: Duplexer,703-748M,758-803M

-SRFS2002-811: Duplexer,1850-1995M,1690-1780M&2110-2690M

-SRFS2002-812: Duplexer,1710-1780M,1805-1875M,Band 3,10W

-SRFS2002-813: Duplexer,852-862M&811-821M,80W

-SRFS2002-815: Duplexer,1800-1920M&2010-2170M

-SRFS2002-816: Duplexer,2020-2045M&2100-2170M

-SRFS2002-832: Duplexer,1920-1980M&2110-2170M

Triplexer.....P33-P34

-SRFS2003-801: Triplexer,555-787M,824-894M&1695-2700M

-SRFS2003-802:Triplexer,555894M,18501995M,16951780M&21102200M

Quadplexer.....P35-P36

SRFS2004801:Quadplexer,555787M,824894M,18501995M,16951780M&21102200M

SRFS2004802:Quadplexer,698787M,806894M,18501995M,17101780M&21102180M

Splitter.....P37-P57

-SRFS2005-801: 2 Way Splitter:500-6000M

-SRFS2005-802: 2 Way Splitter:500-8000M

-SRFS2005-803: 2 Way Splitter:2000-8000M

-SRFS2005-804: 3 Way Splitter:500-6000M

- SRFS2005-805: 3 Way Splitter:500-8000M
- SRFS2005-806: 3 Way Splitter:2000-8000M
- SRFS2005-807: 4 Way Splitter:500-6000M
- SRFS2005-808: 4 Way Splitter:500-8000M
- SRFS2005-809: 4 Way Splitter:2000-8000M
- SRFS2005-810: 6 Way Splitter:500-6000M
- SRFS2005-811: 6 Way Splitter:500-8000M
- SRFS2005-812: 6 Way Splitter:2000-8000M
- SRFS2005-813: 8 Way Splitter:500-6000M
- SRFS2005-814: 8 Way Splitter:500-8000M
- SRFS2005-815: 8 Way Splitter:2000-8000M
- SRFS2005-816: 2 Way Splitter:2000-6000M
- SRFS2005-817: 4 Way Splitter:2000-6000M
- SRFS2005-818: 8 Way Splitter:2000-6000M
- SRFS2005-821: 2 Way Splitter:555-5925M
- SRFS2005-822: 3 Way Splitter:555-5925M
- SRFS2005-823: 4 Way Splitter:555-5925M
- CouplerP58
- SRFS2006-804: 10dB Coupler,DC-6G

- Antenna.....P59-P60
- SRFS2008-801: Panel Antenna,5150-5825M



SRFS Teleinfra

-SRFS2008-804: Parabolic Antenna,5150-5850M

Bias-Tee..... P61

-SRFS2010-801: Smart Bias-Tee,690-2700M

AttenuatorP63

-SRFS2012-802: Coaxial Attenuator,DC-6G

Product Specification

Model:SRFS2001-801

Filter,1880-1920M,Band 39

Low Insertion:1.3dB

TE Ceramic Resonators Used



Electrical Specification

Model:SRFS2001-801	Unit	Min/Max	Band
Pass Band	MHz	Min	1880-1920
Insertion Loss	dB	Max	1.3
Return Loss	dB	Min	18
Rejection	dB	Min	32
Average Input Power	W	Max	50
Peak Power	W	Max	300

Mechanical Specification

Connectors RF	N-F/SMA-F
Connectors Quantity	2
Size	206*86*36mm
Weight(Kg)	1.17

Product Specification

Model:SRFS2001-802

Filter,2300-2390M,Band 40



Electrical Specification

Model:SRFS2001-802	Unit	Min/Max	Band
Pass Band	MHz	Min	2300-2390
Insertion Loss	dB	Max	1.6
Return Loss	dB	Min	18
Rejection	dB	Min	25
Average Input Power	W	Max	40
Peak Power	W	Max	50

Mechanical Specification

Connectors RF	N-F/SMA-F
Connectors Quantity	2
Size(Including Tuning Screw)	127*48.5*35mm
Weight(Kg)	0.42

Product Specification

Model:SRFS2001-803

Filter,865-869M

4M Pass Band with High Rejection



Electrical Specification

Model:SRFS2001-803	Unit	Min/Max	Band
Pass Band	MHz	Min	865-869
Insertion Loss	dB	Max	2.2
Return Loss	dB	Min	14
Rejection	dB	Min	6 (862.1-862.99) 2.7 (870.1-872.9)
Average Input Power	W	Max	2

Mechanical Specification

Connectors RF	SMA-F
Connectors Quantity	2
Size	152.4*89*42.5mm
Weight(Kg)	0.73

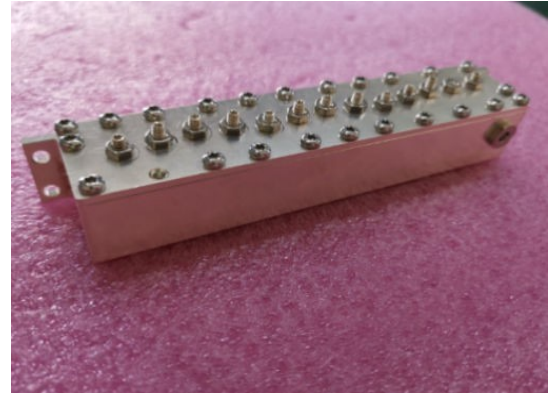
Product Specification

Model:SRFS2001-805

Filter,2505-2685M,Band 41

Broad Band with Small Size

Light Weight



Electrical Specification

Model:SRFS2001-805	Unit	Min/Max	Band
Pass Band	MHz	Min	2505-2685
Insertion Loss	dB	Max	1.0
Return Loss	dB	Min	16
Rejection	dB	Min	≥5dB@2408-2486MHz ≥5dB@2700-2800MHz
Average Input Power	W	Max	15

Mechanical Specification

Connectors RF	MCX-F
Connectors Quantity	2
Size	139*26*26mm
Weight(Kg)	0.13

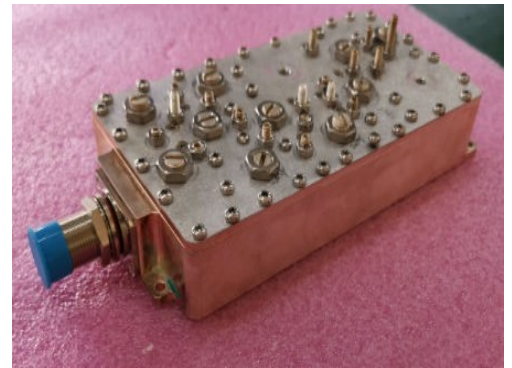
Product Specification

Model:SRFS2001-808

Filter,1880-1915M,Band 39,10W

Low Loss and High Rejection

Light Weight



Electrical Specification

Model:SRFS2001-808	Unit	Min/Max	Band
Pass Band	MHz	Min	1880-1915
Insertion Loss	dB	Max	2.3
Return Loss	dB	Min	18
Rejection	dB	Min	55
Average Input Power	W	Max	50
Peak Power	W	Max	60

Mechanical Specification

Connectors RF	N-F/SMA-F
Connectors Quantity	2
Size	187*86*36mm
Weight(Kg)	0.78

Product Specification

Model:SRFS2001-809

Filter,2300-2390M,Band 40,10W

Low Loss and High Rejection

Light Weight



Electrical Specification

Model:SRFS2001-809	Unit	Min/Max	Band
Pass Band	MHz	Min	2300-2390
Insertion Loss	dB	Max	1.3
Return Loss	dB	Min	18
Rejection	dB	Min	90 (825-2170) 55 (2400-2555)
Average Input Power	W	Max	50
Peak Power	W	Max	60

Mechanical Specification

Connectors RF	N-F/SMA-F
Connectors Quantity	2
Size	204*59*36mm
Weight(Kg)	0.58

Product Specification

Model:SRFS2001-810

Filter,824-839MHz&869-884MHz

TM Resonators

High Rejection



Electrical Specification

Model:SRFS2001-810	Unit	Min/Max	Band
Pass Band	MHz	Min	824-839&869-884
Insertion Loss	dB	Max	≤ 0.4 dB@824-839 ≤ 1.8 dB @869-883
Return Loss	dB	Min	18
Rejection	dB	Min	70
Average Input Power	W	Max	200
PIM	dBc	Min	156

Mechanical Specification

Connectors RF	DIN
Connectors Quantity	2
Size	260*224*52mm
Weight(Kg)	6



SRFS Teleinfra

Product Specification

Model: SRFS2001-823

Ceramic Filter, 3300-3800MHz



Electrical Specification

Item	Unit	Min/Max	Band
Frequency	MHz	Normal	3300-3800
Insertion Loss	dB	Max	1.25(+25°C) 1.45(-40~+110°C)
Average loss over any 10MHz in Passband	dB	Max	1.05(+25°C) 1.25(-40~+110°C)
Average loss over any 100MHz in Passband	dB	Max	0.7(+25°C) 0.9(-40~+110°C)
IL Ripple	dB	Max	1
Return Loss	dB	Min	16
Group Delay Ripple	ns	Max	10
Rejection	dB	Min	60@0.9MHz~2690MHz 65@2690MHz~2900MHz 60@2900MHz~3180MHz 30@3180MHz~3227MHz 15@3227MHz~3250MHz 15@3850MHz~3873MHz 30@3873MHz~3925MHz 50@3925MHz~4400MHz 50@4400MHz~4600MHz 40@4600MHz~4800MHz 15@4800MHz~5000MHz
Power Handling	W	Min	10
3rd PIM(2*37dBm)	dBc	Max	-90

Product Specification

Model: SRFS2001-833

162M Helical Filter



Electrical Specification

Model: SRFS2001-833	Unit	Min/Max	Specification
Passband	MHz	Min	161.5-162.5
Insertion Loss	dB	Max	2.4
VSWR	N/A	Max	1.2
Intel band isolation	dB	Min	30@159 30@165
Impedance	Ω	Normal	50
Average Power	W	Min	50

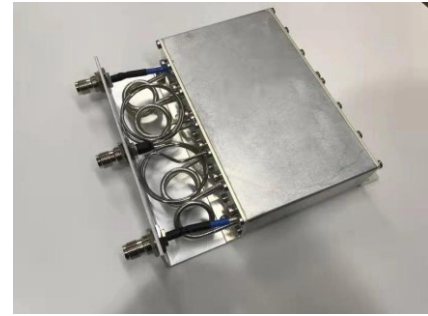
Mechanical Specification

Connector	TNC-F
Size	115*105*34mm
Application Temperature	-40~60°C
Weight	0.4kg

Product Specification

Model: SRFS2001-834

150M&155M Helical Duplexer



Electrical Specification

Model: SRFS2001-834	Unit	Min/Max	TX	RX
Passband	MHz	Normal	150	155
Insertion Loss	dB	Max	1.5	1.5
VSWR	N/A	Max	1.2	1.2
Intel band isolation	dB	Min	80@155	80@150
Impedance	Ω	Normal	50	50
Average Power	W	Min	50	50

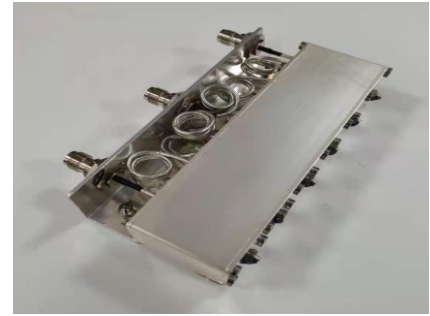
Mechanical Specification

Connector	TNC-F
Size	180*155*35mm
Application Temperature	-40~60℃
Weight	0.6kg

Product Specification

Model: SRFS2001-835

165M&170M Helical Duplexer



Electrical Specification

Model: SRFS2001-835	Unit	Min/Max	TX	RX
Passband	MHz	Normal	165	170
Insertion Loss	dB	Max	1.5	1.5
VSWR	N/A	Max	1.2	1.2
Intel band isolation	dB	Min	80@170	80@165
Impedance	Ω	Normal	50	50
Average Power	W	Min	50	50

Mechanical Specification

Connector	TNC-F
Size	165*100*35mm
Application Temperature	-40~60℃
Weight	0.5kg

Product Specification

Model:SRFS2001-837

Filter,2300-2390M,Band 40



Electrical Specification

Model:SRFS2001-837	Unit	Min/Max	Band
Pass Band	MHz	Min	2300-2390
Insertion Loss	dB	Max	1.3(Normal) 1.4(Full)
Return Loss	dB	Min	20(Normal) 18(Full)
Rejection	dB	Min	50(10-825) 90(825-2170) 55(2400-2555) 90(2555-2690) 35(2690-3600)
Average Input Power	W	Max	100
Peak Power	W	Max	1000

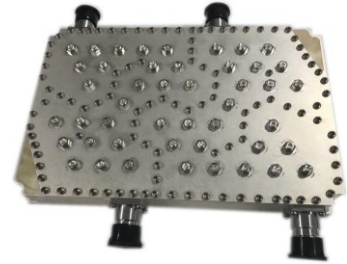
Mechanical Specification

Connectors RF	N-F/SMA-F
Connectors Quantity	2
Size(Including Tuning Screw)	204*59*36mm
Weight(Kg)	1

Product Specification

Model: SRFS2001-840

700M Filter, Inside Antenna



Electrical Specification

Model: SRFS2001-840	Unit	Min/Max	Specification
Passband	MHz	Min	703-803
Insertion Loss	dB	Max	0.6
VSWR	dB	Max	1.2
Intel band isolation	dB	Min	90@824-884 90@905-960
Average Power	W	Min	200
Impedance	Ω	Normal	50
PIM3@2*43dBm	dBc	Min	156

Mechanical Specification

Connector	4.3-10 F
Weight (kg)	2.2
Application	IP65
Storage Temperature(°C)	-40~85
Size(mm)	238*159*40

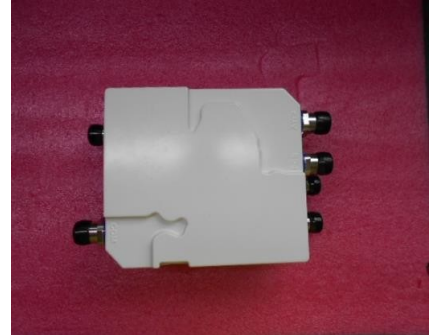
Product Specification

Model:SRFS2002-801

Duplexer,1850-1995M,1695-1780M&2110-2200M

Low Insertion:0.35dB

Light Weight:2.4kg



Electrical Specification

Band	Unit	Min/Max	Band 1	Band 2
PassBand	MHz	Min	1850-1995	1695-1780 2110-2200
Insertion Loss	dB	Max	0.35	0.35
Return Loss	dB	Min	22	22
Isolation	dB	Min	60	60
Average Input Power	W	Max	250	250
Peak Power	W	Max	3000	3000
PIM(All ports)	dBc	Min	-156	

Mechanical Specification

Connectors RF	4.3-10 Female
Ground Stud	M6*1(Hex Nut included)
Connectors Quantity for 2SF	6
Size for 2SF	186*156*80mm
Weight for 2SF (Kg)	3.8

Product Specification

Model:SRFS2002-802

Duplexer,555-960M,1695-2700M

Low Insertion:0.25dB

Broad Coverage for low and high frequency



Electrical Specification

Model:SRFS2002-802	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	555-960	1695-2700
Insertion Loss	dB	Max	0.2	0.25
Return Loss	dB	Min	22	22(1695-2110) 18(2110-2700)
Isolation	dB	Min	60	60
Average Input Power	W	Max	150	150
Peak Power	W	Max	2000	2000
PIM(All ports)	dBc	Min	-156	

Mechanical Specification

Connectors RF	4.3-10 Female
Ground Stud	M6*1(Hex Nut included)
Connectors Quantity	3
Size	129*95*34mm
Weight(Kg)	1

Product Specification

Model:SRFS2002-803

Duplexer,555-787M,824-894M

Low Insertion:0.35dB

Broad Coverage for low and high frequency



Electrical Specification

Model:SRFS2002-803	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	555-787	824-894
Insertion Loss	dB	Max	0.35	0.3
Return Loss	dB	Min	22	22
Isolation	dB	Min	60	60
Average Input Power	W	Max	250	250
Peak Power	W	Max	3000	3000
PIM(All ports)	dBc	Min	-156	

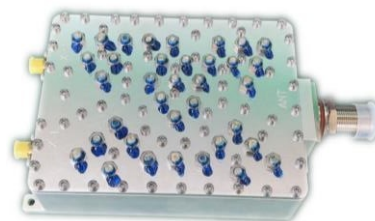
Mechanical Specification

Connectors RF	4.3-10 Female
Ground Stud	M6*1(Hex Nut included)
Connectors Quantity	3
Size	172*158*83mm
Weight(Kg)	2.4

Product Specification

Model:SRFS2002-805

Duplexer,1920-1980M,2110-2170M,Band 1



Electrical Specification

Model:SRFS2002-805	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	1920-1980	2110-2170
Insertion Loss	dB	Max	2.6	0.7
Return Loss	dB	Min	18	18
Rejection	dB	Min	45 (1910-1915) 80 (2010-2690)	80 (2300-2690)
Average Input Power	W	Max	30	30
Peak Power	W	Max	40	40

Mechanical Specification

Connectors RF	N-F/SMA-F
Connectors Quantity	3
Size(Including Tunning Screw)	143*92*35mm
Weight(Kg)	0.85

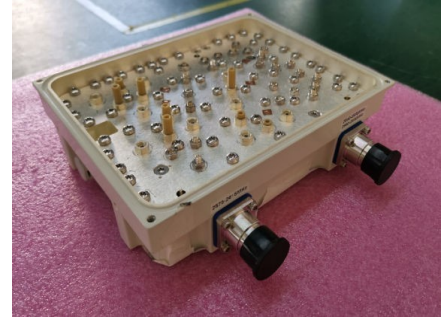
Product Specification

Model:SRFS2002-806

Duplexer,2575-2615M,2540-2560M&2660-2680M

Insertion Loss:0.5dB

Compact Size with High Q Ceramic Resonators



Electrical Specification

Model:SRFS2002-806	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	2575-2615	2540-2560 2660-2680
Insertion Loss	dB	Max	0.5	0.5
Return Loss	dB	Min	22	22
Isolation	dB	Min	65	65
Average Input Power	W	Max	100	100
PIM	dBc	Min	-160	

Mechanical Specification

Connectors RF	4.3-10 Female
Connectors Quantity	3
Size	203*158*47mm
Weight(Kg)	1.8

Product Specification

Model:SRFS2002-808

Duplexer,320-344M,1574-1577M

High Rejection and Low Loss



Electrical Specification

Model:SRFS2002-807	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	320-344	1574-1577
Insertion Loss	dB	Max	0.6	1.5
Return Loss	dB	Min	20	20
Rejection	dB	Min	60	N/A
Average Input Power	W	Max	10	N/A
PIM	dBc	Min	142	

Mechanical Specification

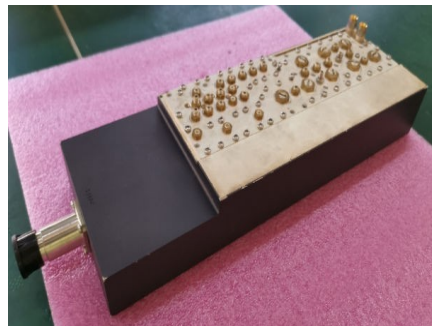
Connectors RF	N-F/MCX-F
Connectors Quantity	3
Size	360*250*67mm
Weight(Kg)	6.5

Product Specification

Model:SRFS2002-809

High PIM

Low Loss



Electrical Specification

Model:SRFS2002-809	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	1810-1870	1730-1765
Insertion Loss	dB	Max	1.8	1.8
Return Loss	dB	Min	18	18
Rejection	dB	Min	100	100
Average Input Power	W	Max	100	100
PIM	dBc	Min	162	

Mechanical Specification

Connectors RF	4.3-10
Connectors Quantity	2
Size	345*149.5*62mm
Weight(Kg)	3.6kg

Product Specification

Model:SRFS2002-810

Duplexer,703-748M,758-803M

Small Size with High Rejection



Electrical Specification

Model:SRFS2002-810	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	703-748	758-803
Insertion Loss	dB	Max	1.8	1.45
Return Loss	dB	Min	18	18
Rejection	dB	Min	$\geq 50@DC-683MHz$ $\geq 90@758-1000MHz$	$\geq 92@DC-748MHz$ $\geq 10@813MHz-$
Average Input Power	W	Max	20	60
PIM	dBc	Min	148	

Mechanical Specification

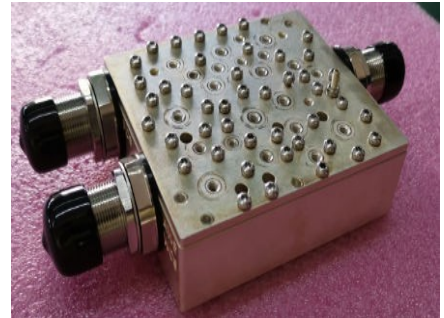
Connectors RF	4.3-10/SMA-F
Connectors Quantity	4
Size	134*110*44mm
Weight(Kg)	1

Product Specification

Model:SRFS2002-811

Duplexer,1850-1995M,1690-1780M&2110-2690M

Compact Size with low loss



Electrical Specification

Model:SRFS2002-811	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	1850-1995	1690-1780 2110-2690
Insertion Loss	dB	Max	0.6	0.6
Return Loss	dB	Min	18	18
Isolation	dB	Min	30	30
Average Input Power	W	Max	100	100
PIM	dBc	Min	156	

Mechanical Specification

Connectors RF	4.3-10
Connectors Quantity	3
Size	105*89.3*34mm
Weight(Kg)	0.8



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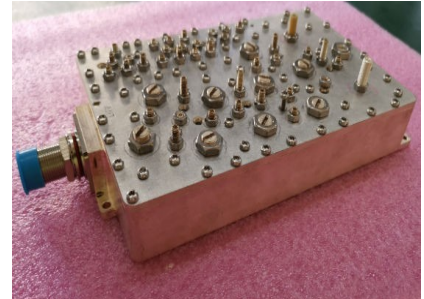
Product Specification

Model:SRFS2002-812

Duplexer,1710-1780M,1805-1875M,Band 3,10W

TE Resonators used

High Rejection,Low Insertion Loss



Electrical Specification

Model:SRFS2002-812	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	1710-1780	1805-1875
Insertion Loss	dB	Max	1.5	2.2
Return Loss	dB	Min	18	18
Rejection	dB	Min	40 (960-1650) 90 (1805-2690)	90 (825-1780) 55 (1880-1885)
Average Input Power	W	Max	40	40

Mechanical Specification

Connectors RF	N-F/SMA-F
Connectors Quantity	3
Size	204*118*36mm
Weight(Kg)	1.17

Product Specification

Model:SRFS-2002-813

Duplexer,852-862M&811-821M,80W

Anti-Interference Filter with High PIM



Electrical Specification

Model:SRFS2002-813	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	852-862	811-821
Insertion Loss	dB	Max	1.6	1.6
Return Loss	dB	Min	20	20
Rejection	dB	Min	70	70
Average Input Power	W	Max	80	80
PIM	dBc	Min	160	

Mechanical Specification

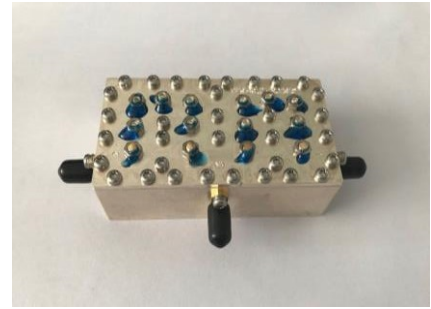
Connectors RF	N Female
Connectors Quantity	2
Size	180*140*46mm
Weight(Kg)	1.7

Product Specification

Model:SRFS2002-815

Duplexer,1800-1920MHz&2010-2170MHz

Low Insertion:1.0dB



Electrical Specification

Model:SRFS2002-815	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	1800-1920	2010-2170
Insertion Loss	dB	Max	1	1
VSWR	N/A	Min	1.5	1.5
Isolation	dB	Min	30	30

Mechanical Specification

Connectors RF	SMA-K
Connectors Quantity	3
Size	85*29*29mm
Weight(Kg)	0.25

Product Specification

Model:SRFS2002-816

Duplexer,2020-2045MHz&2100-2170MHz

Low Insertion:1.0dB



Electrical Specification

Model:SRFS2002-816	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	2020-2045	2100-2170
Insertion Loss	dB	Max	1	1
VSWR	N/A	Min	1.5	1.5
Isolation	dB	Min	25	25

Mechanical Specification

Connectors RF	SMA-K
Connectors Quantity	3
Size	82*43*27mm
Weight(Kg)	0.2

Product Specification

Model:SRFS2002-832

Duplexer,1920-1980M,2110-2170M,Band 1



Electrical Specification

Model:SRFS2002-832	Unit	Min/Max	Band 1	Band 2
Pass Band	MHz	Min	1920-1980	2110-2170
Insertion Loss	dB	Max	2.7	0.7
Return Loss	dB	Min	18	18
Rejection	dB	Min	55 (1910-1915) 90 (2010-2690)	90 (2300-2690)
Average Input Power	W	Max	500	500
Peak Power	W	Max	10	10

Mechanical Specification

Connectors RF	N-F/SMA-F
Connectors Quantity	3
Size(Including Tuning Screw)	204*118*36mm
Weight(Kg)	1.5

Product Specification

Model:SRFS2003-801

Triplexer,555-787M,824-894M&1695-2700M

Low Insertion:0.4dB

Light Weight:2.6kg



Electrical Specification

Model:SRFS2003-801	Unit	Min/Max	Band 1	Band 2	
PassBand	MHz	Min	555-787	824-894	1695-2700
Insertion Loss	dB	Max	0.4	0.4	0.25
Return Loss	dB	Min	22	22	22
Isolation	dB	Min	60	60	60(1695-2360) 50(2360-2700)
Average Input Power	W	Max	200	200	200
Peak Power	W	Max	3000	3000	3000
PIM(All ports)	dBc	Min	-156		

Mechanical Specification

Connectors RF	4.3-10 Female
Ground Stud	M6*1(Hex Nut included)
Connectors Quantity	4
Size	197*172*79mm
Weight(Kg)	2.6

Product Specification

Model:SRFS2003-802

Triplexer,555-894M,1850-1995M,1695-1780M&2110-2200M

Low Insertion:0.45dB

Light Weight:2.4kg



Electrical Specification

Band	Unit	Min/Max	Band 1	Band 2	Band 3
PassBand	MHz	Min	555-894	1850-1995	1695-1780 2110-2200
Insertion Loss	dB	Max	0.2	0.45	0.45
Return Loss	dB	Min	22	22	22
Isolation	dB	Min	60	60	60
Average Input Power	W	Max	200	200	200
Peak Power	W	Max	2000	2000	2000
PIM(All ports)	dBc	Min	-156		

Mechanical Specification

Connectors RF	4.3-10 Female
Ground Stud	M6*1(Hex Nut included)
Connectors Quantity	4
Size	186*184*47mm
Weight(Kg)	2.4

Product Specification

Model:SRFS2004-801

Quadplexer,555-787M,824-894M,1850-1995M,1695-1780M&2110-2200M

Low Insertion:0.45dB

High Integration:700M/850M/PCS/AWS



Electrical Specification

Model:SRFS2004-801	Unit	Min/Max	Band 1	Band 2	Band 3	Band 4
Pass Band	MHz	Min	555-787	824-894	1850-1995	1695-1780 2110-2200
Insertion Loss	dB	Max	0.45	0.45	0.45	0.45
Return Loss	dB	Min	22	22	22	22
Isolation	dB	Min	60	60	60	60
Average Input Power	W	Max	250	250	250	250
Peak Power	W	Max	3000	3000	3000	3000
PIM(All ports)	dBc	Min	-156			

Mechanical Specification

Connectors RF	4.3-10 Female
Ground Stud	M6*1(Hex Nut included)
Connectors Quantity	5
Size	305*204*85mm
Weight(Kg)	4.96

Product Specification

Model:SRFS2004-802

Quadplexer,698-787M,806-894M,1850-1995M,1710-1780M&2110-2180M

Low Insertion:1.0dB

Competitive Size and Weight



Electrical Specification

Model:SRFS2004-802	Unit	Min/Max	Band 1	Band 2	Band 3	Band 4
Pass Band	MHz	Min	698-787	806-894	1710-1780 2110-2180	1850-1995
Insertion Loss	dB	Max	1.0	1.0	1.0	1.0
Return Loss	dB	Min	20	20	20	20
Isolation	dB	Min	60	60	60	60
Average Input Power	W	Max	250	250	250	250
Peak Power	W	Max	3000	3000	3000	3000
PIM(All ports)	dBc	Min	161			

Mechanical Specification

Connectors RF	DIN
Connectors Quantity	5
Size	248*198*56mm
Weight(Kg)	3.7

Product Specification

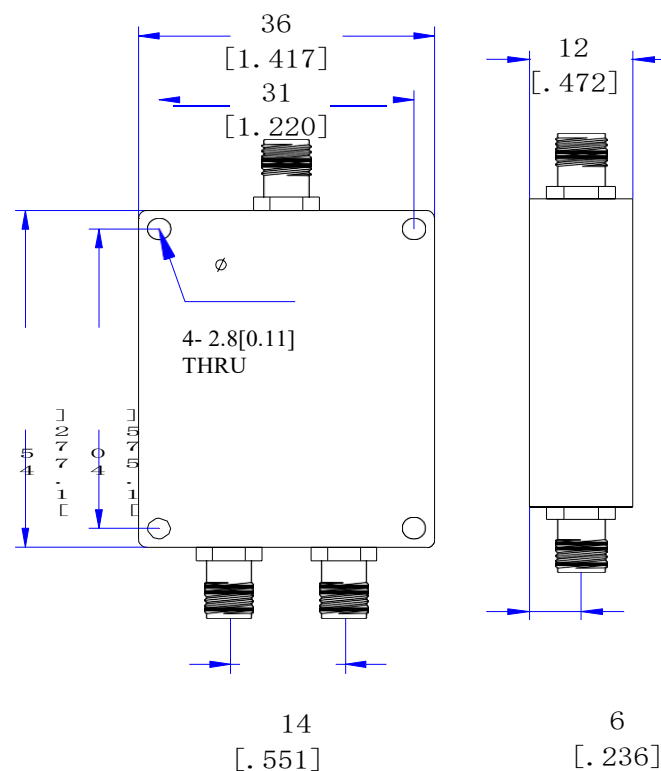
Model:SRFS2005-801

2 Way Splitter:500-6000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	500~6000 MHz
2	Insertion Loss	≤ 1.0 dB
3	Input Port VSWR	≤1.4: 1 (500-650M) & 1. 2: 1 (650-6000M)
4	Output Port VSWR	≤1.2: 1
5	Isolation	≥18dB (500-650M) & 20dB (650-6000M)
6	Amplitude Balance	≤ 0.2dB
7	Phase Balance	±2°
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W&Reverse Power 2W
11	Operation Temperature	-35℃ ~ +75℃
12	Surface Finishing	Sandblasting natural color conductive oxide



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

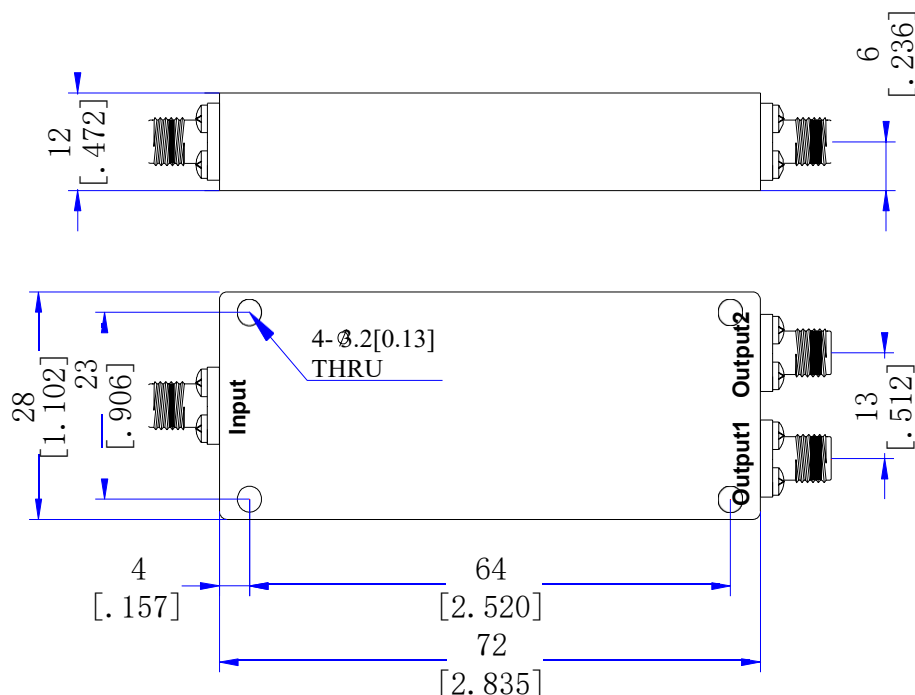
Model:SRFS2005-802

2 Way Splitter:500-8000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	500~8000 MHz
2	Insertion Loss	$\leq 1.4\text{dB}$
3	Input Port VSWR	Typ.1.15 / Max.1.25
4	Output Port VSWR	Typ.1.10 / Max.1.20
5	Isolation	Typ.27dB / Min.20dB
6	Amplitude Balance	$\leq 0.2\text{dB}$
7	Phase Balance	$\pm 3^\circ$
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W;Reverse Power 2W
11	Operation Temperature	$-45^\circ\text{C} \sim +85^\circ\text{C}$
12	Surface Finishing	Gray paint

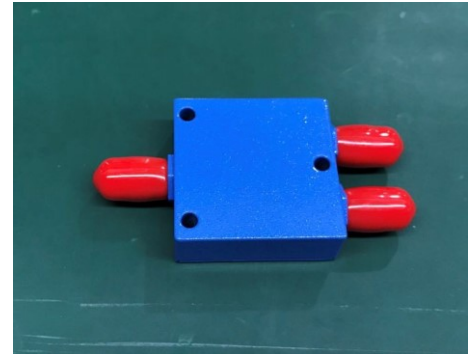


Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

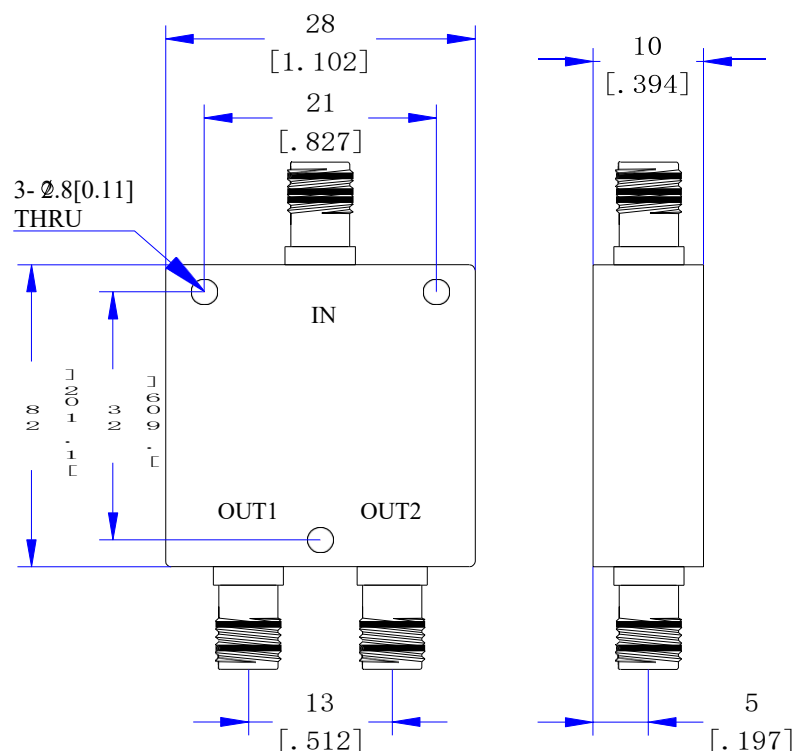
Model:SRFS2005-803

2 Way Splitter:2000-8000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	2000~8000 MHz
2	Insertion Loss	$\leq 0.6\text{dB}$ (Excluding theoretical loss 3.0 dB)
3	Input Port VSWR	$\leq 1.25:1$
4	Output Port VSWR	$\leq 1.20:1$
5	Isolation	$\geq 22\text{dB}$
6	Amplitude Balance	$\leq 0.2\text{dB}$
7	Phase Balance	$\pm 2^\circ$
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power: 30W&Reverse Power: 2W
11	Operation Temperature	$-45^\circ\text{C} \sim +85^\circ\text{C}$
12	Surface Finishing	Black paint



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

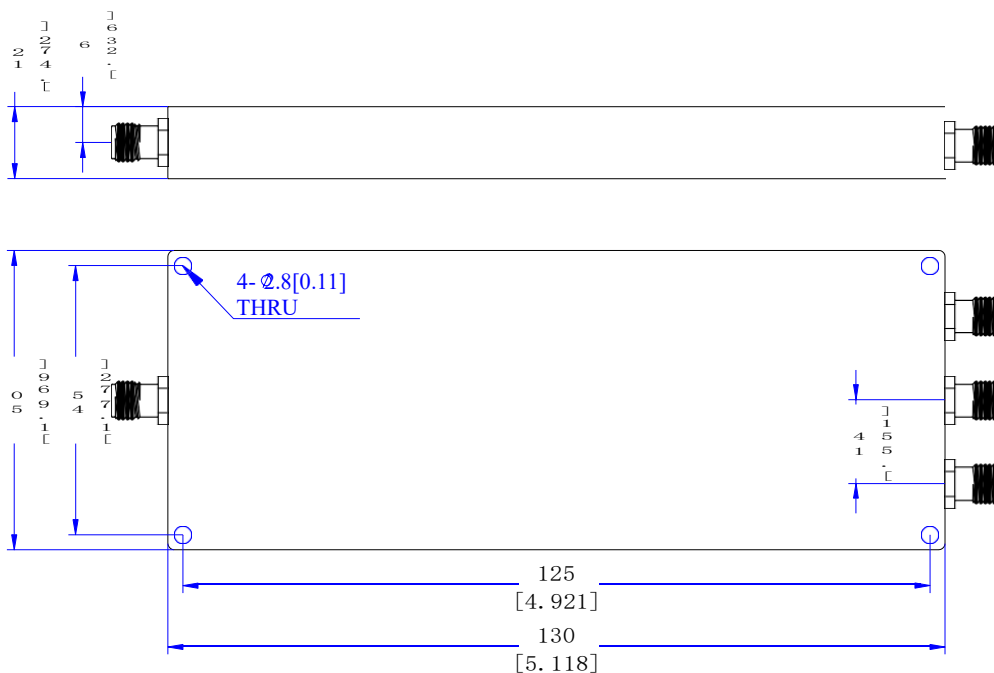
Model:SRFS2005-804

3 Way Splitter:500-6000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	500~6000 MHz
2	Insertion Loss	≤ 2.6dB (Excluding theoretical loss 4.8 dB)
3	Input Port VSWR	≤1.4: 1
4	Output Port VSWR	≤1.4: 1
5	Isolation	≥20dB
6	Amplitude Balance	±0.8dB
7	Phase Balance	±8°
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power:30W&Reverse Power:2W
11	Operation Temperature	-35℃ ~ +75℃
12	Surface Finishing	Sandblasting natural color conductive oxide



Note: Dimensions (mm / [inch]), General tolerance (±0.5)

Product Specification

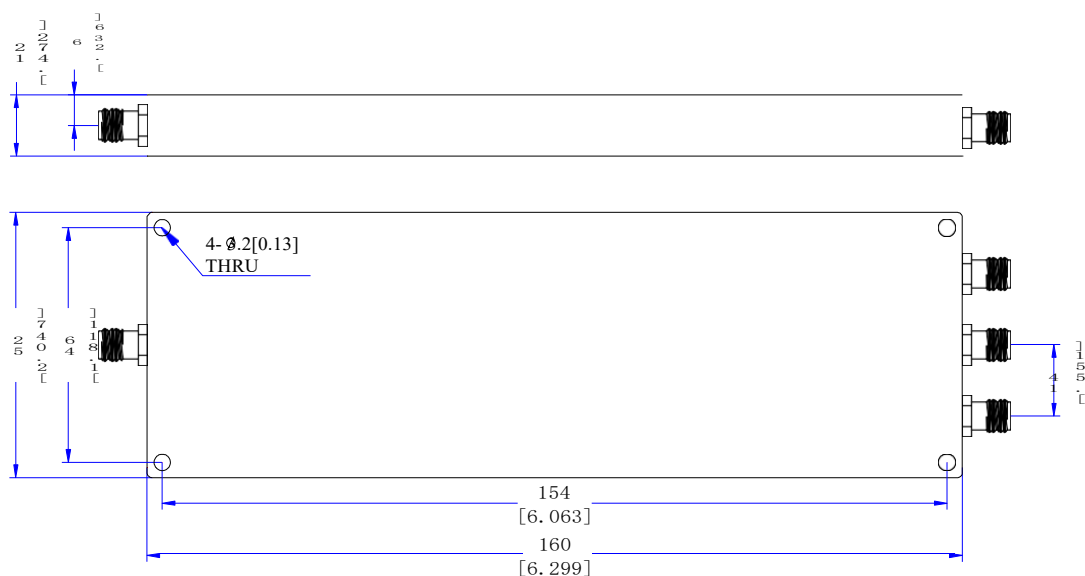
Model:SRFS2005-805

3 Way Splitter:500-8000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	500~8000 MHz
2	Insertion Loss	$\leq 3.8\text{dB}$ (Excluding theoretical loss 4.8 dB)
3	Input Port VSWR	Typ.1.26 / Max.1.5
4	Output Port VSWR	Typ.1.19 / Max.1.4
5	Isolation	Typ.25dB / Min.17dB
6	Amplitude Balance	$\leq 1\text{dB}$
7	Phase Balance	$\pm 12^\circ$
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power: 20W;Reverse Power:1W
11	Operation Temperature	$-35^\circ\text{C} \sim +75^\circ\text{C}$
12	Surface Finishing	Blue paint
13	Outline Dimensions	160*52*12 (mm)
14	Weight	约 280 (g)



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

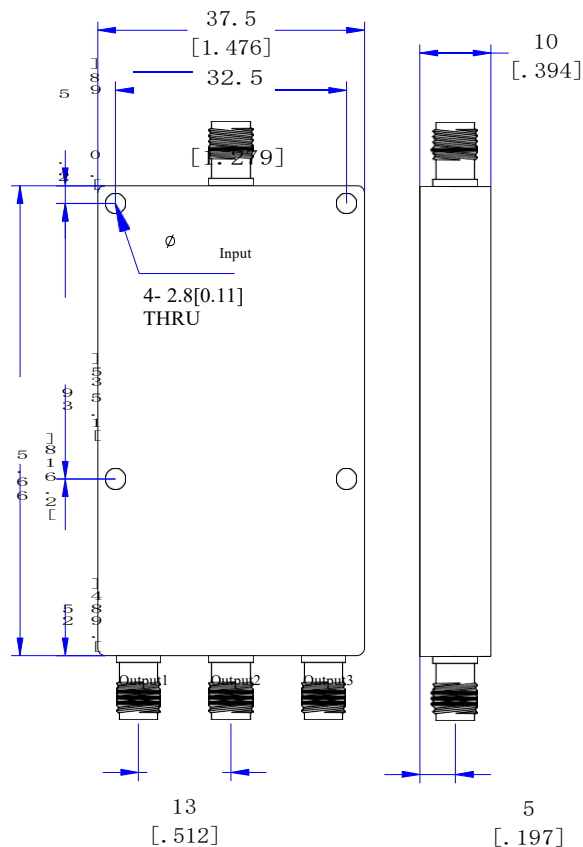
Model:SRFS2005-806

3 Way Splitter:2000-8000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	2000~8000 MHz
2	Insertion Loss	≤ 1.2dB (Excluding theoretical loss 4.8 dB)
3	Input Port VSWR	≤1.3: 1
4	Output Port VSWR	≤1.3: 1
5	Isolation	≥20dB
6	Amplitude Balance	±0.5dB
7	Phase Balance	±5°
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W;Reverse Power 2W
11	Operation Temperature	-45°C ~ +85°C
12	Surface Finishing	Gray paint



Note: Dimensions (mm / [inch]), General tolerance (±0.5)

Product Specification

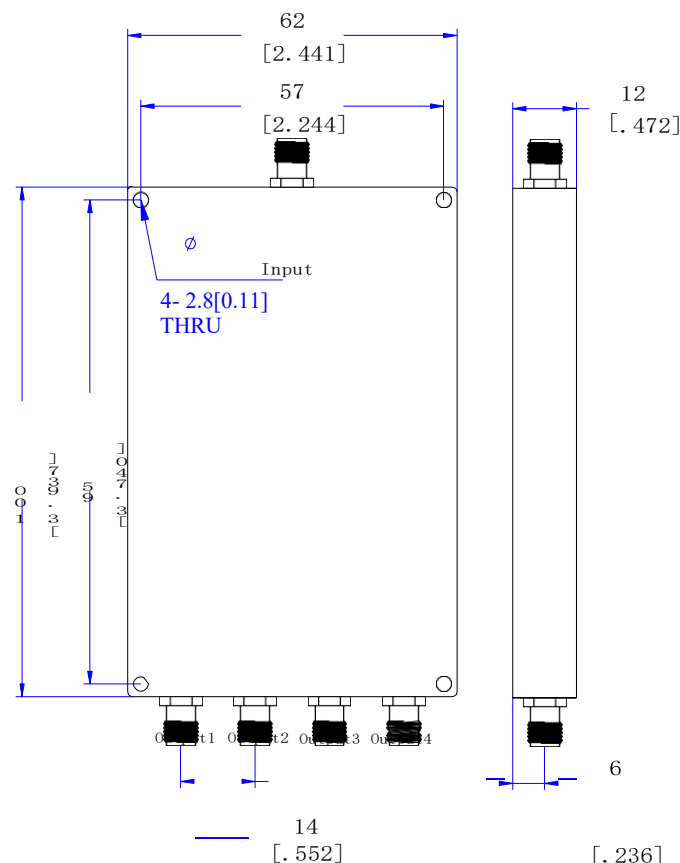
Model:SRFS2005-807

4 Way Splitter:500-6000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	500~6000 MHz
2	Insertion Loss	≤ 1.8 dB (Excluding theoretical loss 6.0 dB)
3	Input Port VSWR	$\leq 1.3: 1$
4	Output Port VSWR	$\leq 1.2: 1$
5	Isolation	≥ 18 dB (500M-550M)& 20dB(550M-6000M)
6	Amplitude Balance	≤ 0.4 dB
7	Phase Balance	$\pm 4^\circ$
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W;Reverse Power 2W
11	Operation Temperature	$-35^\circ\text{C} \sim +75^\circ\text{C}$
12	Surface Finishing	Sandblasting natural color conductive oxide



Note: Dimensions (mm / [inch]), General tolerance

Product Specification

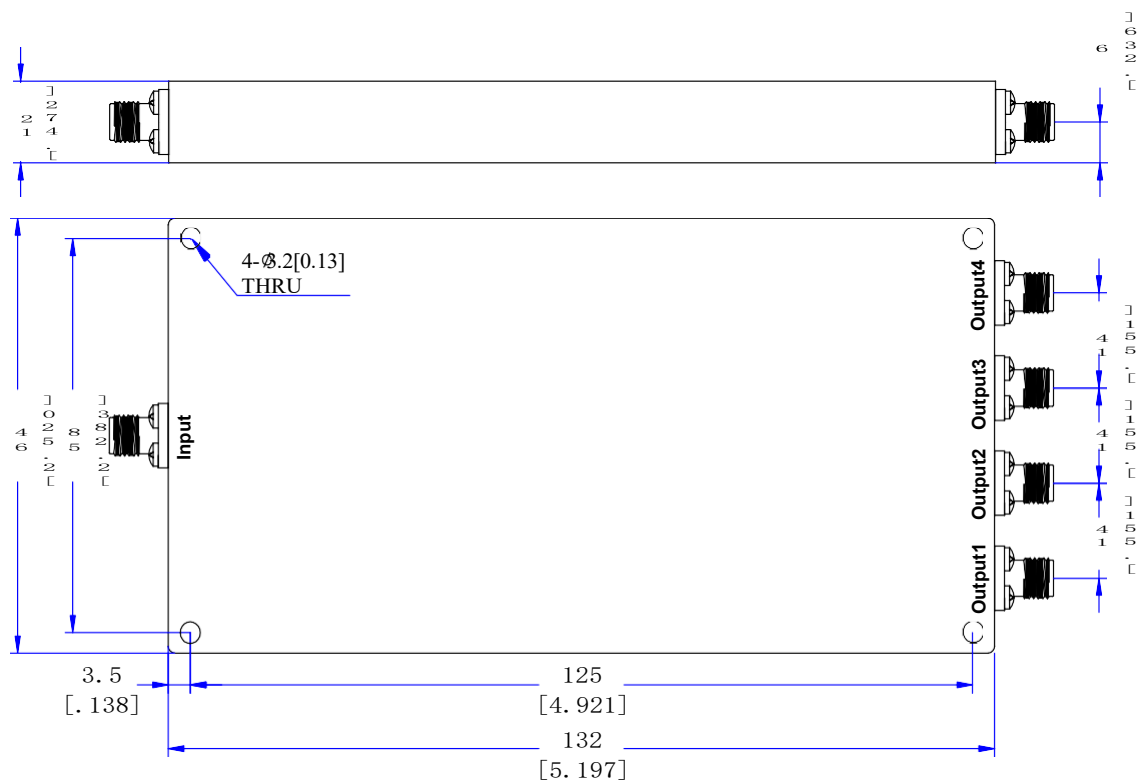
Model:SRFS2005-808

4 Way Splitter:500-8000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	500~8000 MHz
2	Insertion Loss	≤ 3.0 dB (Excluding theoretical loss 6.0 dB)
3	Input Port VSWR	Typ.1.18 / Max.1.35
4	Output Port VSWR	Typ.1.15 / Max.1.25
5	Isolation	Typ.25dB / Min.20dB
6	Amplitude Balance	≤ 0.3dB
7	Phase Balance	±4°
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W;Reverse Power 2W
11	Operation Temperature	-35℃ ~ +75℃
12	Surface Finishing	Gray paint

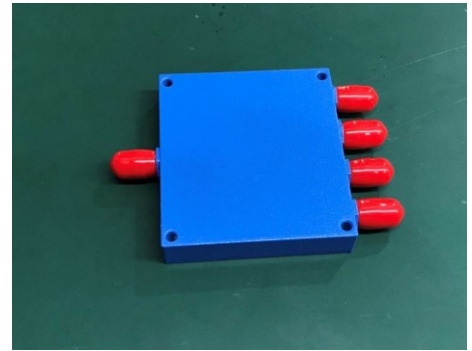


Note: Dimensions (mm / [inch]), General tolerance (±0.5)

Product Specification

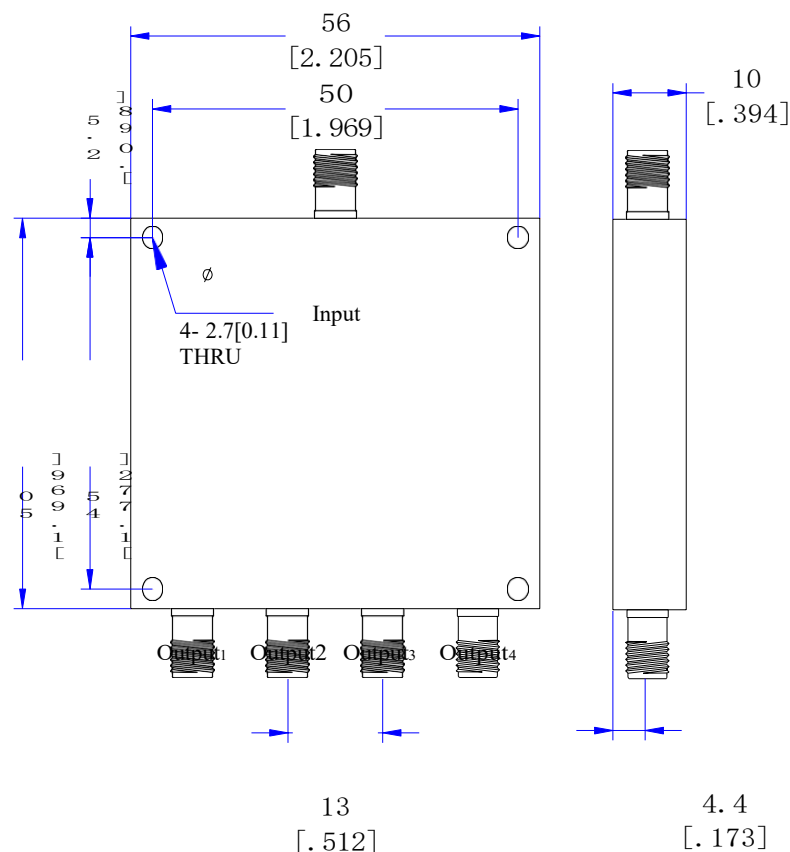
Model:SRFS2005-809

4 Way Splitter:2000-8000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	2000~8000 MHz
2	Insertion Loss	≤ 1.5dB (Excluding theoretical loss 6.0 dB)
3	Input Port VSWR	≤1.35: 1
4	Output Port VSWR	≤1.25: 1
5	Isolation	≥20dB
6	Amplitude Balance	≤ 0.3dB
7	Phase Balance	±4°
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W;Reverse Power 2W
11	Operation Temperature	-45℃ ~ +85℃
12	Surface Finishing	Black paint



Note: Dimensions (mm / [inch]), General tolerance (±0.5)

Product Specification

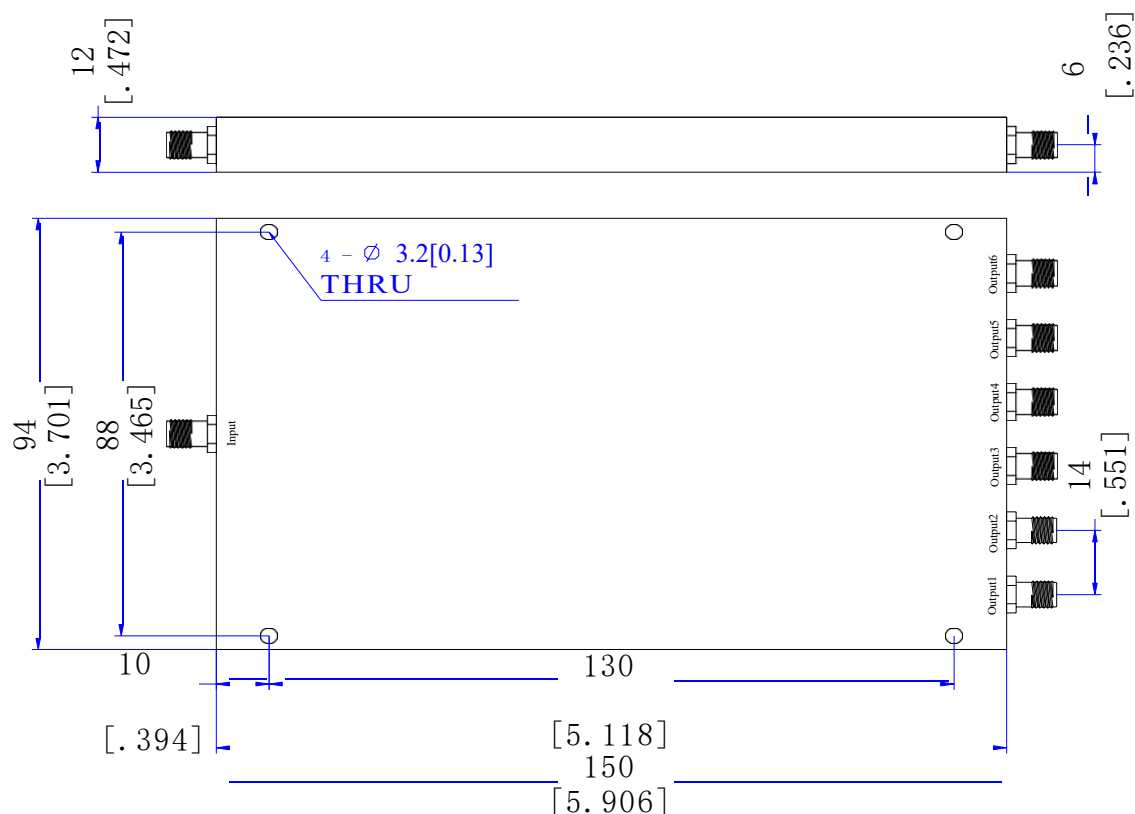
Model:SRFS2005-810

6 Way Splitter:500-6000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	500~6000 MHz
2	Insertion Loss	$\leq 3.0\text{dB}$ (Excluding theoretical loss 7.8 dB)
3	Input Port VSWR	$\leq 1.5: 1$
4	Output Port VSWR	$\leq 1.3: 1$
5	Isolation	$\geq 18\text{dB}$
6	Amplitude Balance	$\pm 0.8\text{dB}$
7	Phase Balance	$\pm 8^\circ$
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W;Reverse Power 2W
11	Operation Temperature	$-35^\circ\text{C} \sim +75^\circ\text{C}$
12	Surface Finishing	Sandblasting natural color conductive oxide



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

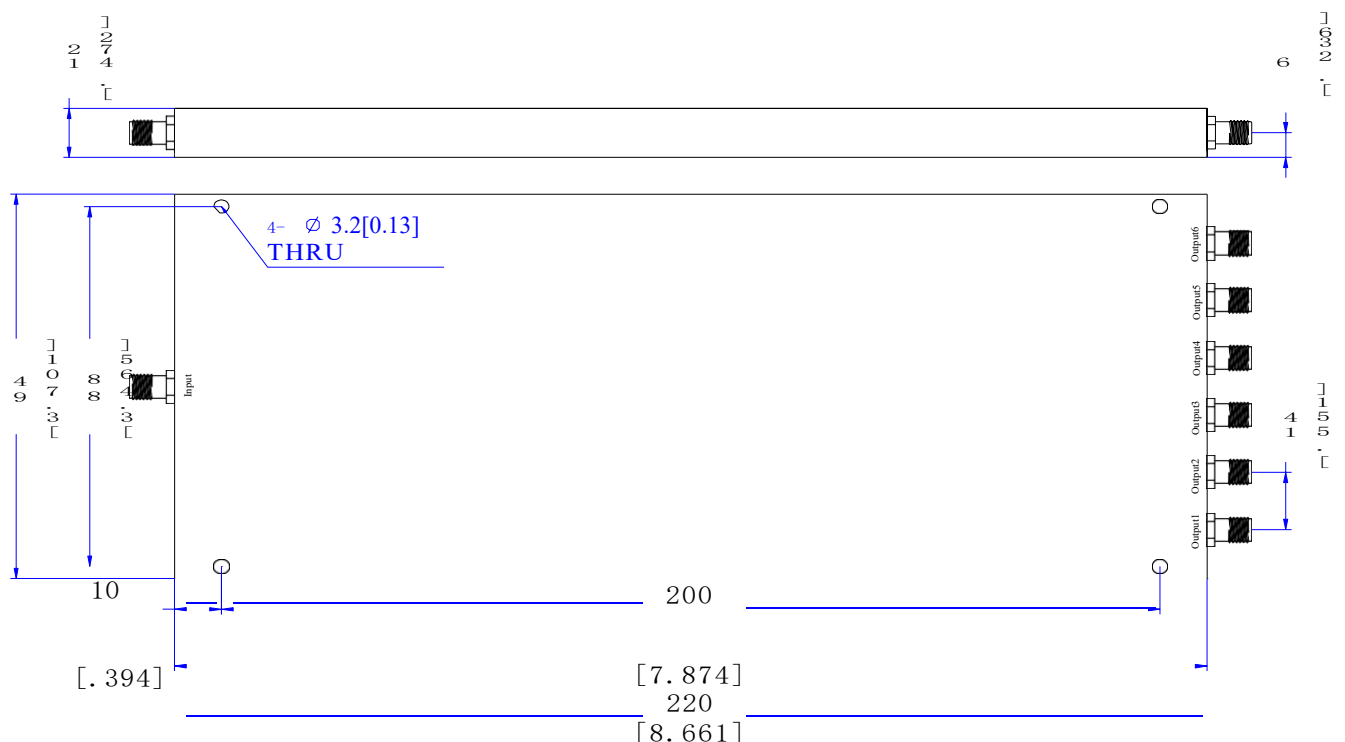
Model:SRFS2005-811

6 Way Splitter:500-8000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	500~8000 MHz
2	Insertion Loss	≤ 5.0 dB (Excluding theoretical loss 7.8 dB)
3	Input Port VSWR	Typ.1.26 / Max.1.5
4	Output Port VSWR	Typ.1.19 / Max.1.4
5	Isolation	Typ.25dB / Min.17dB
6	Amplitude Balance	≤ 1.2dB
7	Phase Balance	±15°
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power:20w Reverse Power:1w
11	Operation Temperature	-35℃ ~ +75℃
12	Surface Finishing	Blue paint

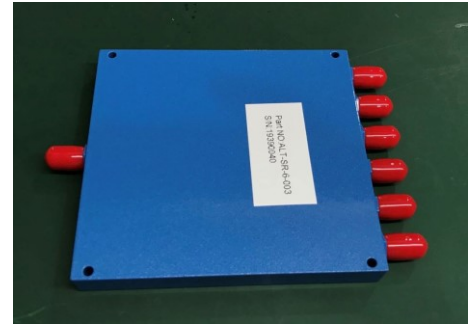


Note: Dimensions (mm / [inch]), General tolerance (±0.5)

Product Specification

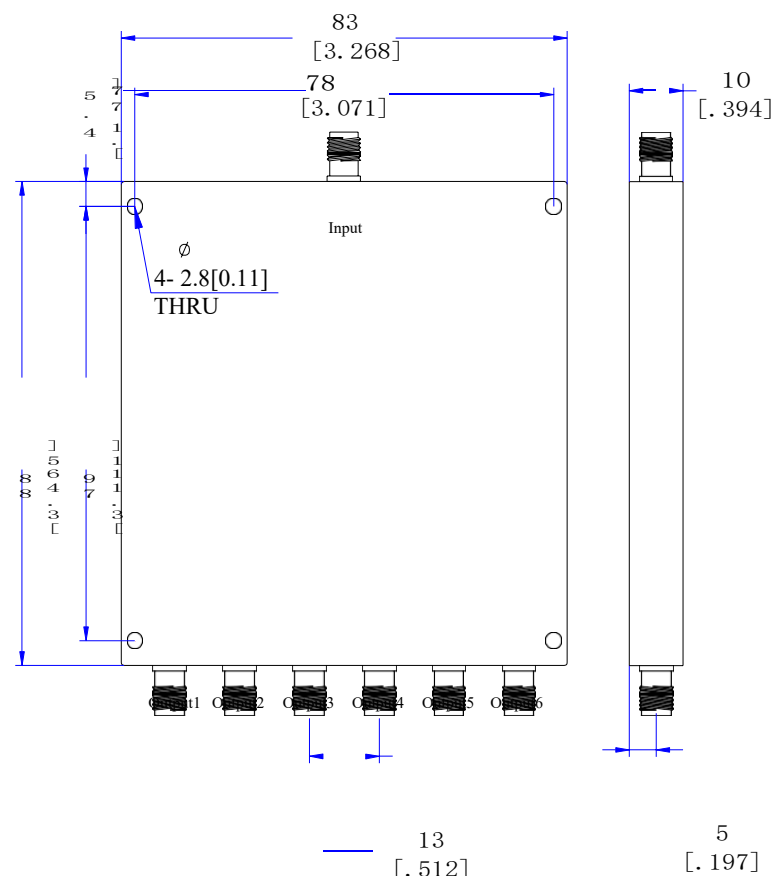
Model:SRFS2005-812

6 Way Splitter:2000-8000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	2000~8000 MHz
2	Insertion Loss	$\leq 1.2\text{dB}$ (Excluding theoretical loss 7.8 dB)
3	Input Port VSWR	$\leq 1.35: 1$
4	Output Port VSWR	$\leq 1.25: 1$
5	Isolation	$\geq 20\text{dB}$
6	Amplitude Balance	$\pm 0.5\text{dB}$
7	Phase Balance	$\pm 6^\circ$
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W;Reverse Power 2W
11	Operation Temperature	$-45^\circ\text{C} \sim +85^\circ\text{C}$
12	Surface Finishing	Gray paint



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

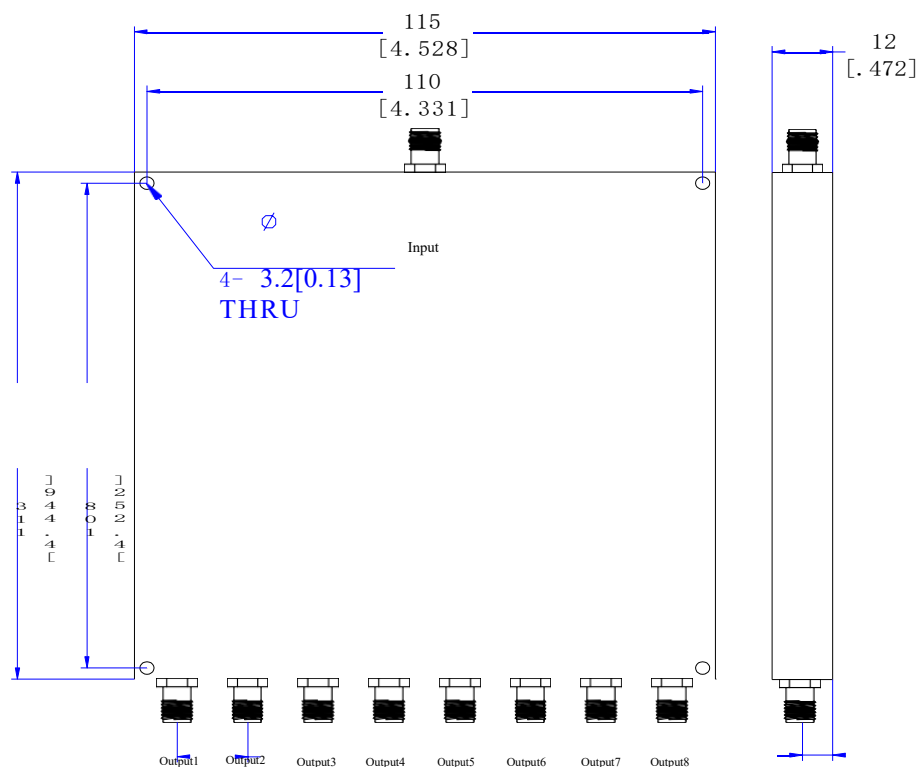
Model:SRFS2005-813

8 Way Splitter:500-6000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	500~6000 MHz
2	Insertion Loss	$\leq 2.8\text{dB}$ (Excluding theoretical loss 9.0 dB)
3	Input Port VSWR	$\leq 1.45: 1$
4	Output Port VSWR	$\leq 1.25: 1$
5	Isolation	$\geq 18\text{dB}$
6	Amplitude Balance	$\leq 0.4\text{dB}$
7	Phase Balance	$\pm 5^\circ$
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W;Reverse Power 2W
11	Operation Temperature	$-35^\circ\text{C} \sim +75^\circ\text{C}$
12	Surface Finishing	Sand blasting



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

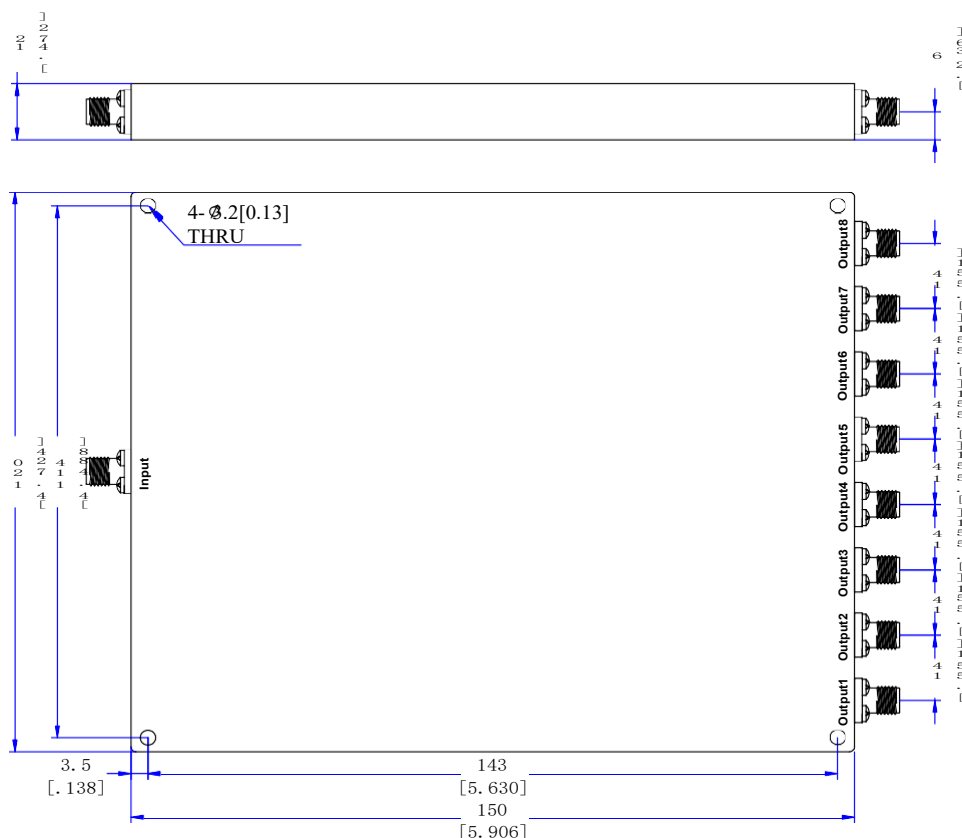
Model:SRFS2005-814

8 Way Splitter:500-8000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	500~8000 MHz
2	Insertion Loss	≤ 5.0 dB (Excluding theoretical loss 9.0 dB)
3	Input Port VSWR	Typ.1.18 / Max.1.4
4	Output Port VSWR	Typ.1.15 / Max.1.3
5	Isolation	Typ.24dB / Min.20dB
6	Amplitude Balance	≤ 0.4 dB
7	Phase Balance	$\pm 5^\circ$
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W;Reverse Power 2W
11	Operation Temperature	$-35^\circ\text{C} \sim +75^\circ\text{C}$
12	Surface Finishing	Blue paint



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

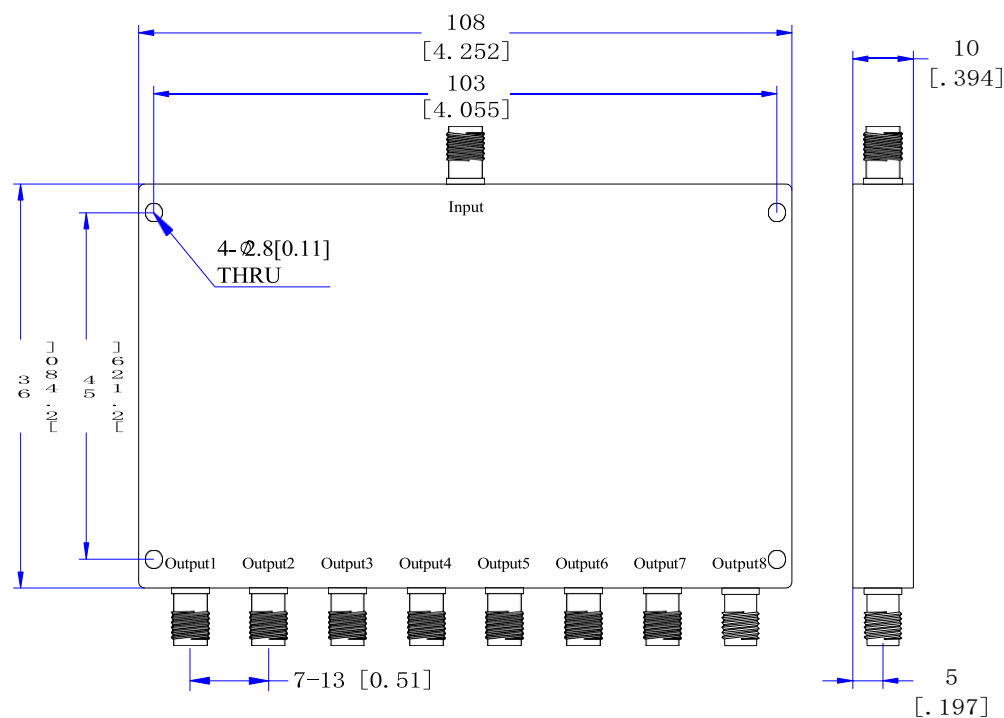
Model:SRFS2005-815

8 Way Splitter:2000-8000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	2000~8000 MHz
2	Insertion Loss	$\leq 1.6\text{dB}$ (Excluding theoretical loss 9.0 dB)
3	Input Port VSWR	$\leq 1.35: 1$
4	Output Port VSWR	$\leq 1.22: 1$
5	Isolation	$\geq 18\text{dB}$
6	Amplitude Balance	$\pm 0.4\text{dB}$
7	Phase Balance	$\pm 4^\circ$
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	Forward Power 30W;Reverse Power 2W
11	Operation Temperature	$-45^\circ\text{C} \sim +85^\circ\text{C}$
12	Surface Finishing	Gray paint

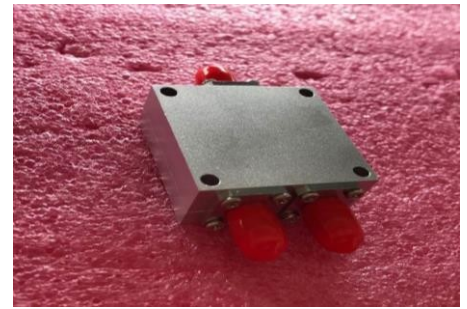


Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

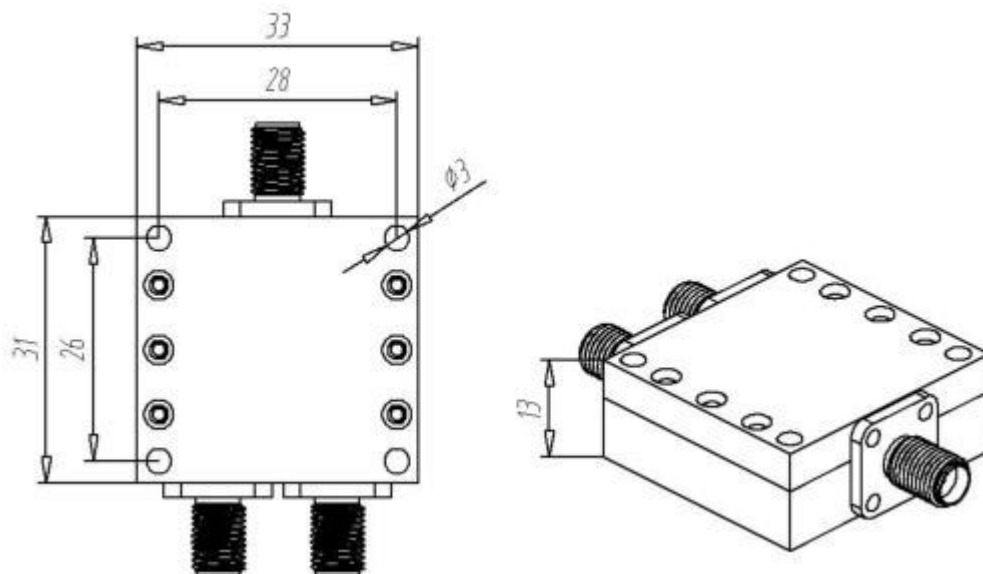
Model:SRFS2005-816

2 Way Splitter:2000-6000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	2000~6000 MHz
2	Insertion Loss	$\leq 0.4\text{dB}$
3	VSWR	$\leq 1.3: 1$
5	Isolation	$\geq 20\text{dB}$
6	Amplitude unbalance	$\leq 0.2\text{dB}$
7	Phase unbalance	≤ 5
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	10W
11	Operation Temperature	$-30^{\circ}\text{C} \sim +85^{\circ}\text{C}$
12	Surface Finishing	Gray paint



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

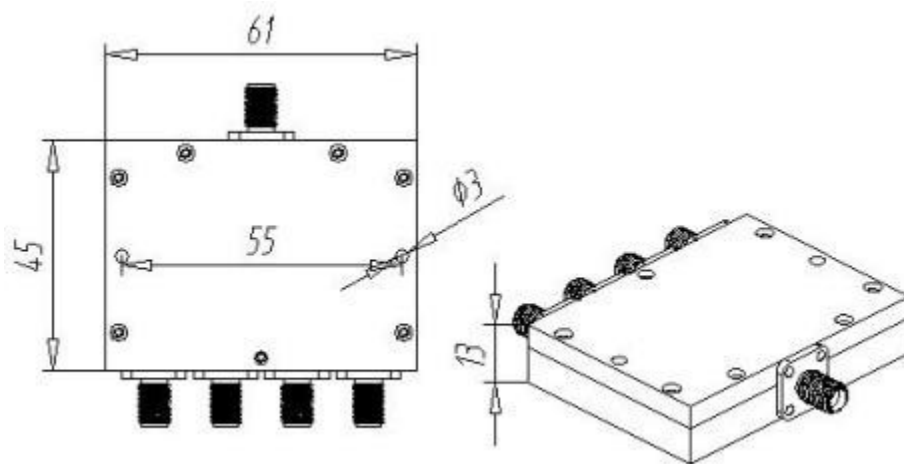
Model:SRFS2005-817

4 Way Splitter:2000-6000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	2000~6000 MHz
2	Insertion Loss	$\leq 0.8\text{dB}$
3	VSWR	$\leq 1.4: 1$
5	Isolation	$\geq 20\text{dB}$
6	Amplitude unbalance	$\leq 0.3\text{dB}$
7	Phase unbalance	≤ 5
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	10W
11	Operation Temperature	$-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$
12	Surface Finishing	Gray paint



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

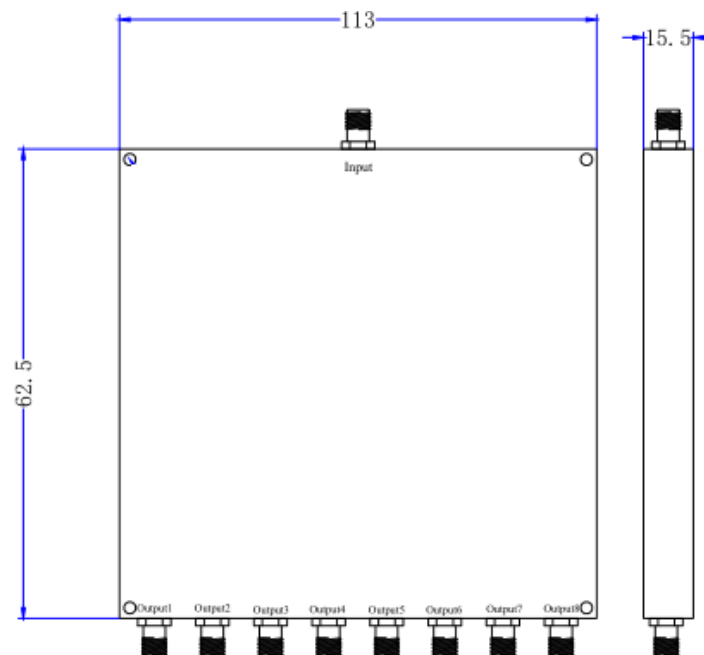
Model:SRFS2005-818

8 Way Splitter:2000-6000M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	2000~6000 MHz
2	Insertion Loss	$\leq 1.2\text{dB}$
3	VSWR	$\leq 1.5: 1$
5	Isolation	$\geq 20\text{dB}$
6	Amplitude unbalance	$\leq 0.4\text{dB}$
7	Phase unbalance	≤ 5
8	Impedance	50 Ohms
9	Input/Output Connectors	SMA-Female
10	Power Rating	10W
11	Operation Temperature	$-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$
12	Surface Finishing	Gray paint



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

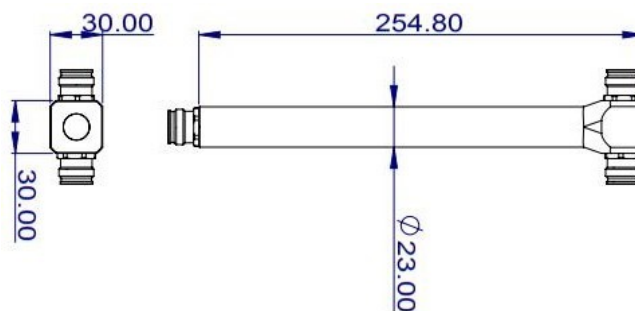
Model:SRFS2005-821

2 Way Splitter:555-5925M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	555~5925 MHz
2	Insertion Loss	$\leq 0.5\text{dB}$
3	VSWR	$\leq 1.3: 1$
5	Isolation	$\geq 22\text{dB}$
6	Amplitude unbalance	$\leq 0.8\text{dB}$
7	PIM	160dBc
8	Impedance	50 Ohms
9	Input/Output Connectors	4.3-10-Female
10	Power Rating	300W
11	Operation Temperature	-30°C ~ +80°C
12	Surface Finishing	Natural Oxidation



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

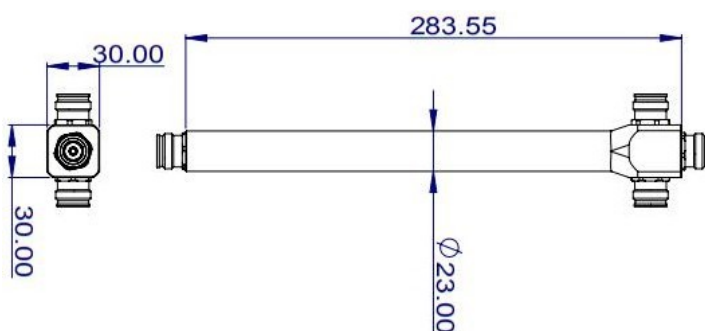
Model:SRFS2005-822

3 Way Splitter:555-5925M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	555~5925 MHz
2	Insertion Loss	$\leq 0.5\text{dB}$
3	VSWR	$\leq 1.3: 1$
5	Isolation	$\geq 22\text{dB}$
6	Amplitude unbalance	$\leq 0.8\text{dB}$
7	PIM	160dBc
8	Impedance	50 Ohms
9	Input/Output Connectors	4.3-10-Female
10	Power Rating	300W
11	Operation Temperature	-30°C ~ +80°C
12	Surface Finishing	Natural Oxidation



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

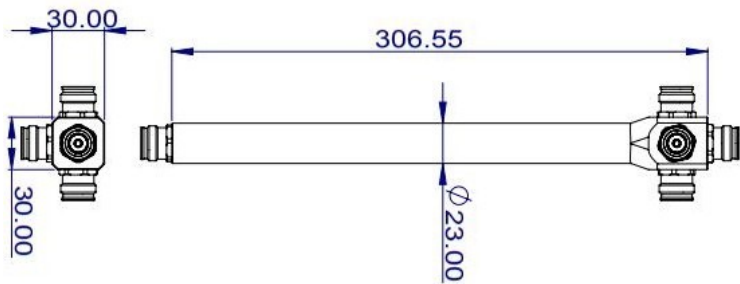
Model:SRFS2005-823

4 Way Splitter:555-5925M



Electrical Specification

SN	Parameters	Specifications
1	Frequency Range	555~5925 MHz
2	Insertion Loss	$\leq 0.5\text{dB}$
3	VSWR	$\leq 1.4: 1$
5	Isolation	$\geq 22\text{dB}$
6	Amplitude unbalance	$\leq 0.8\text{dB}$
7	PIM	160dBc
8	Impedance	50 Ohms
9	Input/Output Connectors	4.3-10-Female
10	Power Rating	300W
11	Operation Temperature	-30℃ ~ +80℃
12	Surface Finishing	Natural Oxidation



Note: Dimensions (mm / [inch]), General tolerance (± 0.5)

Product Specification

Model:SRFS2006-804

555MHz-6G, 10dB Coupler



Electrical Specification

Band	Unit	Min/Max	Specification
PassBand	MHz	Normal	DC-6GHz
Insertion Loss	dB	Max	1.1
Coupling	dB	Normal	10
VSWR	dB	Min	1.25
Coupled Loss	dB	Min	0.45
Power	W	Max	200
PIM	dBc	Min	160
Connector	N/A	Normal	4.3-10 F

Product Specification

Model: SRFS2008-801

Antenna, 5150-5825MHz



Electrical Specification			
Model:SRFS2008-801	Unit	Min/Max	Band
Frequency	MHz	Normal	5150-5825
Polarization Type	Normal	Normal	H&V
Gain	dBi	Min	17
Horizontal Plane Beamwidth	Degree	Normal	20
Vertical Plane Beamwidth	Degree	Normal	14
Isolation	dB	Min	20
VSWR	dB	Max	1.5
Impedance	Ω	Normal	50

Electrical Specification	
Connector	SMA-F
Antenna Dimension	270*270*22mm
Weight	1.2kg
Operating Temperature	-40 to 65°C

Product Specification

Model: SRFS2008-804

Antenna, 5150-5850MHz



Electrical Specification

Model:SRFS2008-803	Unit	Min/Max	Band
Frequency	MHz	Normal	5150-5850
Dual Polarization	Normal	Normal	Horizontal/Vertical
Beamwidth	Degree	Normal	H:3.5° E:3.5°
Gain	dBi	Min	30
Impedance	Ω	Normal	50
Isolation	dB	Min	28
ETSI Standard	N/A	Normal	Class 2
VSWR	N/A	Max	1.5
Power	W	Min	100

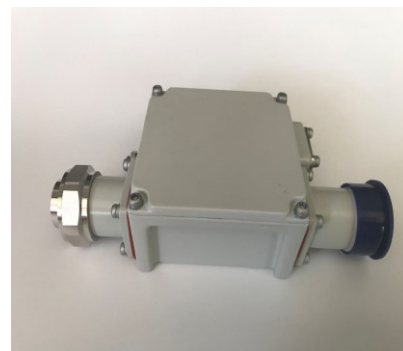
Mechanical Specification

Connectors RF	N Type
Antenna Dimension	ϕ 660mm
Diameter of Pole	ϕ 50-75mm
Weight	10.5kg

Product Specification

Model:SRFS2010-80101

Bias-Tee 690-2700MHz

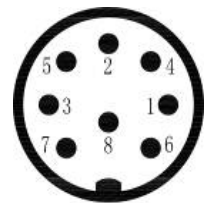
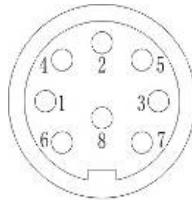


Electrical Specification

Model:SRFS2010-801	Specification
Frequency Range	690-2700MHz
Insertion Loss(Port1-Port2)	$\leq 0.1\text{dB}(690-960\text{M} // 1710-2690\text{M})$ $\leq 0.15\text{dB}(960-1710\text{M})$
Isolation	$\geq 70\text{dB}(\text{Port 1-Port 2})$
	$\geq 70\text{dB}(\text{Port 1-Port AISG})$
VSWR	$\leq 1.15(690-960\text{M} // 1710-2690\text{M})$ $\leq 1.2(960-1710\text{M})$
Impedance	50 Ω
Intermodulation	$\leq -160\text{dBc}$ (3rd order ; with 2*20W)
Power Consumption	Typically 0.6 W
Port 1 or port 2	$\geq 200\text{W}$ (AVG) ; $\geq 2000\text{W}$ (PEAK) (600 – 2700 MHz)
Port DC/RCU	< 2.5 A / +8 ... +30 VDC
Modem carrier frequency	2.176 MHz

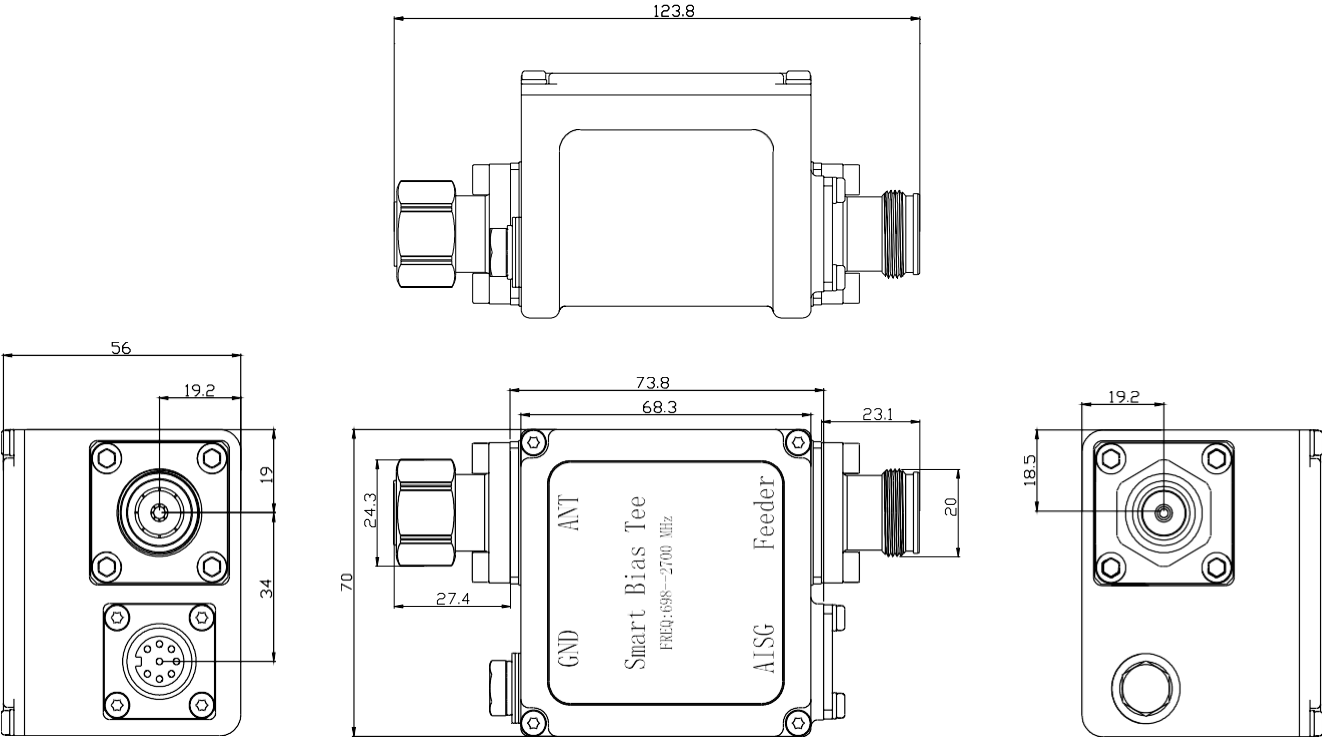
Mechanical Specification

Lightning Protection	3kA, 10/350 us pulse
Connector-Port 1	4.3-10 Male
Connector-Port 2	4.3-10 Female
Connector-AISG	8 Pin Connector Female
Application	Outdoor/Indoor(IP67)
Size(Include Connectors)	123.8*70*56mm
Weight	0.65kg
Temperature Range	-40...+65 $^{\circ}\text{C}$



Pin Connections	female	male
Pin 1	10-30V DC in	10-30V DC in
Pin 2	Not connected	Not connected
Pin 3	RS485-B	RS485-B
Pin 4	Not connected	Not connected
Pin 5	RS485-A	RS485-A
Pin 6	10-30V DC in	10-30V DC in
Pin 7	DC return	DC return
Pin 8	Not connected	Not connected

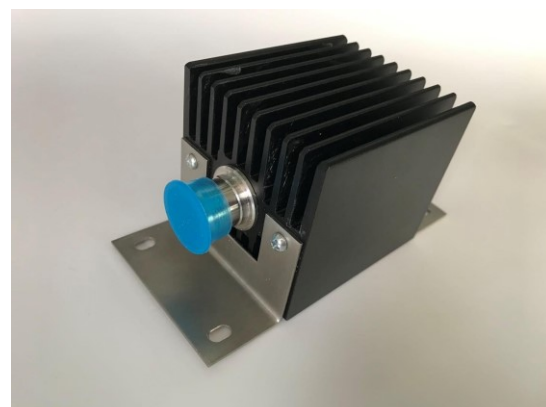
Outline



Product Specification

Model:SRFS2012-802

5W,3dB DC-6GHz Coaxial Attenuator



Electrical Specification

Band	Unit	Min/Max	Specification
PassBand	MHz	Normal	DC-6GHz
Attenuation	dB	Normal	3
VSWR	dB	Min	1.25
Attenuation Accuracy	dB	Min	$\pm 0.6@3-20\text{dB}$ $\pm 0.8@30\text{dB}$
Power Handling	W	Max	50
Connector	N/A	Normal	4.3-10

SRFS Teleinfra

End!

Thank You!