

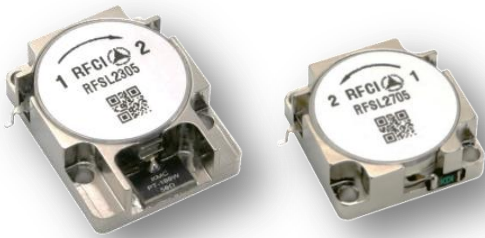


CELLULAR BASE STATION BANDS

FLANGE MOUNT **GULLWING** DROP-IN ISOLATORS

PRODUCT DESCRIPTION

RF-CI Gullwing Drop-in Isolators designed for Wireless Cellular BST, RFID, and WiMAX applications in high performance linear power amplifiers and are specifically designed to have the excellent IMD Performance necessary for the stringent growing WCDMA and CDMA requirements. The connection Tabs are suitable for soldering to the mating circuit boards.



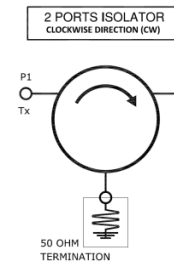
KEY FEATURES

- Standard drop-in package size.
- Typical 75dBc Intermodulation Distortion
- Robust Construction for High Reliability performance
- RoHS compliant
- Low typical Insertion loss, High Isolation
- Magnetically Shielded.

- ❖ Products available with alternative configuration such as attenuators, high power termination and reverse rotation direction.
- ❖ Special Tab is offset available.
- ❖ S-parameters are available upon request.

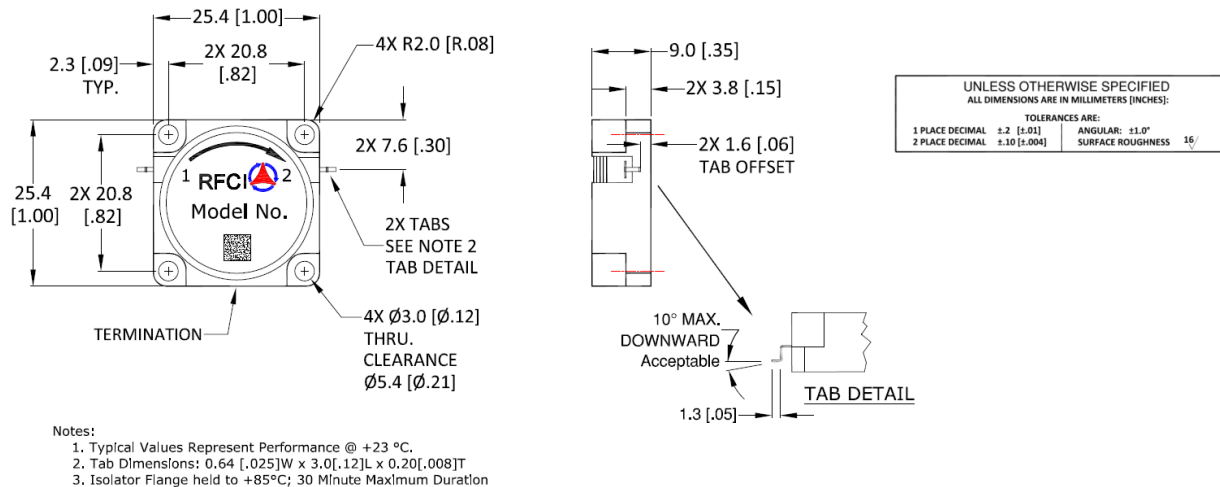


FUNCTION DIAGRAM



ISOLATOR OUTLINE DRAWING

Figure DI-18 (25.4mm Gullwing Tab Package Outline)

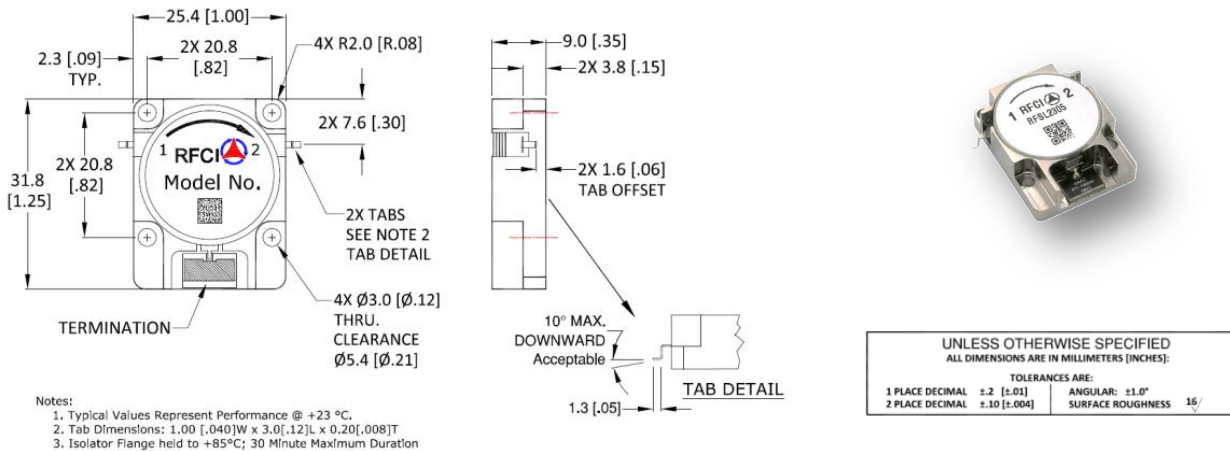


20W GULLWING TABS, Low Intermodulation Distortion (IM3) - 25.4mm Package

Frequency Range (MHz)		Insertion Loss (dB)		Return Loss (dB)	Fwd. PWR P/CW (W)	Rev PWR CW (W)	Operating Temperature (°C)	Package Outline	RFCI Part Number
Low	High	Room/OT	Room/OT	Room/OT	Max.	Max.	(°C)		
728	756	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2109
791	821	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2111
847	860	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2211
849	894	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2260
860	960	0.25/0.30	23/22	23/22	1000/200	20	-40 to +85°C	DI-18	RFSL2246
869	894	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2202
885	920	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2205
900	930	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2311
920	960	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2304
1710	1880	0.20/0.30	23/21	23/21	1000/200	20	-40 to +85°C	DI-18	RFSL2423
1710	1785	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2401
1805	1880	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2504
1880	1930	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2623
1920	2170	0.20/0.35	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2629
1930	1995	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2601
2090	2190	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2738
2130	2280	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2723
2300	2680	0.25/0.35	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2826
2470	2730	0.20/0.30	25/22	25/22	1000/200	20	-40 to +85°C	DI-18	RFSL2870

Standard Part Number is Clockwise (CW) Rotation. Add letter "R" at the end to Part number for a Counter Clockwise (CCW) Rotation

Figure DI-19 (25.4mm 100W Gullwing Package Outline)

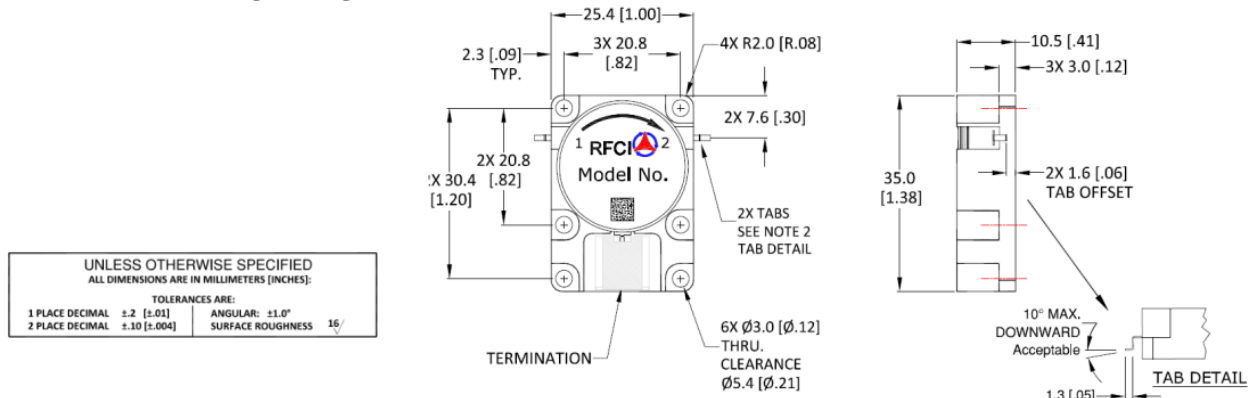


100W GULLWING TABS, Low Intermodulation Distortion (IM3) - 25.4mm Package

Frequency Range (MHz)		Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	Fwd. PWR P/CW (W)	Rev PWR CW (W)	Operating Temperature	Package Outline	RFCI Part Number
Low	High	Room/OT	Room/OT	Room/OT	Max.	Max.	(°C)		
728	756	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2109-T100
791	821	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2111-T100
847	860	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2211-T100
849	894	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2260-T100
860	960	0.25/0.30	23/22	23/22	1000/200	100	-40 to +85°C	DI-19	RFSL2246-T100
869	894	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2202-T100
885	920	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2205-T100
900	930	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2311-T100
920	960	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2304-T100
1710	1880	0.20/0.30	23/21	23/21	1000/200	100	-40 to +85°C	DI-19	RFSL2423-T100
1710	1785	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2401-T100
1805	1880	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2504-T100
1880	1930	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2623-T100
1920	2170	0.20/0.35	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2629-T100
1930	1995	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2601-T100
2090	2190	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2738-T100
2130	2280	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2723-T100
2300	2680	0.25/0.35	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2826-T100
2470	2730	0.20/0.30	25/22	25/22	1000/200	100	-40 to +85°C	DI-19	RFSL2870-T100

Standard Part Number is Clockwise (CW) Rotation. Add letter "R" at the end to Part number for a Counter Clockwise (CCW) Rotation

Figure DI-20
(25.4mm 180W Gullwing Package Outline)



UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES):

TOLERANCES ARE:			
1 PLACE DECIMAL	±2 [±.01]	ANGULAR:	±1.0°
2 PLACE DECIMAL	±1.0 [±.004]	SURFACE ROUGHNESS	16/

- Notes:
1. Typical Values Represent Performance @ +23 °C.
 2. Tab Dimensions: 1.00 [0.040]W x 3.0 [0.12]L x 0.20 [0.008]T
 3. Isolator Flange held to +85°C; 30 Minute Maximum Duration

180W GULLWING TABS- 25.4mm Package

Frequency Range (MHz)		Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	Fwd. PWR P/CW (W)	Rev PWR CW (W)	Operating Temperature	Package Outline	RFCI Part Number
Low	High	Room/OT	Room/OT	Room/OT	Max.	Max.	(°C)		
728	756	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2109-T200
791	821	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2111-T200
847	860	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2211-T200
849	894	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2260-T200
860	960	0.25/0.30	23/22	23/22	1000/200	180	-40 to +85°C	DI-20	RFSL2246-T200
869	894	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2202-T200
885	920	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2205-T200
900	930	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2311-T200
920	960	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2304-T200
1710	1880	0.20/0.30	23/21	23/21	1000/200	180	-40 to +85°C	DI-20	RFSL2423-T200
1710	1785	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2401-T200
1805	1880	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2504-T200
1880	1930	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2623-T200
1920	2170	0.20/0.35	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2629-T200
1930	1995	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2601-T200
2090	2190	0.20/0.30	25/22	25/22	1000/200	180	-40 to +85°C	DI-20	RFSL2738-T200

Standard Part Number is Clockwise (CW) Rotation. Add letter “R” at the end to Part number for a Counter Clockwise (CCW) Rotation

- See RFCI website www.rf-ci.com for complete part datasheet.