



COAXIAL COMMUNICATION BANDS

N TYPE BROAD BANDWIDTH CIRCULATOR

PRODUCT DESCRIPTION

RFCI Coaxial Circulators product allows the selection of the smallest practical size in relationship to the required frequency range coverage. RFCI guarantees the RF performance of every miniature Circulators across the specific operating temperature range. Circulators design for applications in high performance linear broad band Power Amplifiers.



- ❖ N type Female is Standard Products. Available with alternative configuration such as male connectors, high power termination and reverse rotation direction.
- ❖ S-parameters are available upon request.



CIRCULATOR OUTLINE DRAWING

KEY FEATURES

- Miniature and Standard package size.
- Robust Construction for High Reliability performance
- RoHS compliant
- Low typical Insertion loss, High Isolation
- Magnetically Shielded.

FUNCTION DIAGRAM

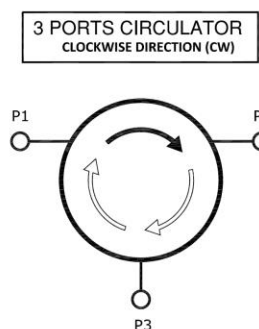


Figure BNC-01
(Flange Mount 56mm Package)

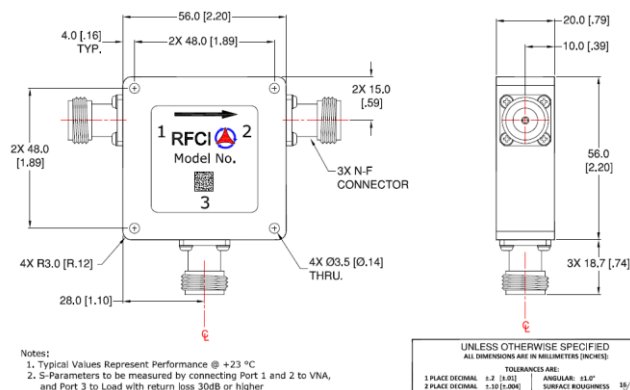
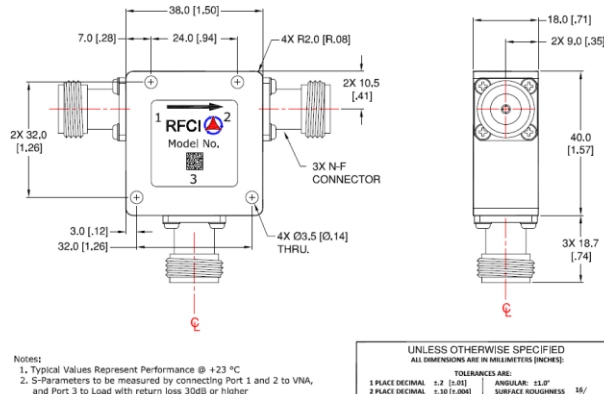


Figure BNC-02
(Flange Mount 38mm Package)



N Type Broad Bandwidth Circulator

Frequency Range (MHz)		Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	Fwd. PWR P/CW (W)	Rev PWR CW (W)	Operating Temperature	Package Outline FIG.	RFCI Part No.
Low	High	Room/OT	Room/OT	Room/OT	Max.	Max.	(°C)		
800	2000	0.60/0.85	16/14.5	16/14.5	500/50	50	-0 to +50°C	BNC-01	RFCR8457N
800	1400	0.50/0.60	16/15	16/15	500/50	50	-0 to +50°C	BNC-01	RFCR8461N
900	1500	0.40/0.60	20/19	20/19	500/50	50	-0 to +50°C	BNC-01	RFCR8460N
1000	2000	0.50/0.70	19/17	19/17	500/50	50	-0 to +50°C	BNC-01	RFCR8455N
1250	2500	0.50/0.70	19/17	19/17	500/50	50	-0 to +50°C	BNC-01	RFCR8551N
1300	2600	0.50/0.70	19/17	19/17	500/50	50	-0 to +50°C	BNC-01	RFCR8552N
1350	2700	0.50/0.70	19/17	19/17	500/50	50	-0 to +50°C	BNC-01	RFCR8553N
1500	3000	0.50/0.70	19/17	19/17	500/50	30	-10 to +65°C	BNC-02	RFCR8753N
1600	3200	0.50/0.70	19/17	19/17	500/50	30	-10 to +65°C	BNC-02	RFCR8754N
1500	4000	0.80/1.00	15/14	15/14	500/50	30	-10 to +65°C	BNC-02	RFCR8756N
1700	4200	0.50/0.70	16/15	16/15	500/50	30	-10 to +65°C	BNC-02	RFCR8755N
2000	6000	1.00/1.40	13/12.5	13/12.5	500/50	30	-20 to +65°C	BNC-02	RFCR8951N
2000	4000	0.50/0.70	19/17	19/17	500/50	30	-20 to +85°C	BNC-02	RFCR8851N
2000	3000	0.40/0.50	21/20	21/20	500/50	30	-40 to +85°C	BNC-02	RFCR8860N
2100	4200	0.50/0.70	19/17	19/17	500/50	30	-20 to +85°C	BNC-02	RFCR8855N
2300	6000	0.70/0.80	15/14	15/14	500/50	30	-20 to +85°C	BNC-02	RFCR8992N
2500	6200	0.80/1.00	14/13	14/13	500/50	30	-20 to +85°C	BNC-02	RFCR8859N
2500	5500	0.60/0.80	16/15	16/15	500/50	30	-20 to +85°C	BNC-02	RFCR8858N
2500	5000	0.50/0.70	19/17	19/17	500/50	30	-20 to +85°C	BNC-02	RFCR8856N
2600	5200	0.50/0.70	19/17	19/17	500/50	30	-20 to +85°C	BNC-02	RFCR8857N
2700	6200	0.60/0.80	16/15	16/15	500/50	30	-20 to +85°C	BNC-02	RFCR8991N

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

- S-Parameters to be measured by connecting Port 1 and Port 2 to VNA and Port 3 to Load with load return loss 30dB or higher.
- See RFCI website www.rf-ci.com for complete part datasheet.