

FCC1319C

High Power, High Isolation

Features:

- * High Power
- * High Isolation
- * Low Insertion Loss
- * Low VSWR

Applications:

- * Wireless
- * Radar
- * Laboratory Test

Description

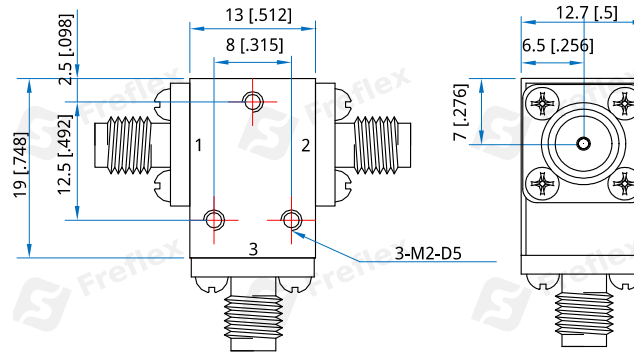
FCC1319C series Coaxial Circulators cover frequency range 6~13.3GHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

Specifications

Frequency (MHz)	Bandwidth (MHz)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Connector	Temperature (°C)
6000~7000	1000	0.50	18.0	1.30	30	SMA	-10~+60
6000~8000	2000	0.50	18.0	1.35	30	SMA	-10~+60
6000~10000	4000	0.50	17.0	1.35	30	SMA	-10~+60
6000~12000	6000	0.70	15.0	1.45	30	SMA	-30~+70
6600~7000	400	0.40	20.0	1.25	30	SMA	-10~+60
6800~7000	200	0.40	20.0	1.25	30	SMA	-10~+60
7000~9000	2000	0.40	20.0	1.25	30	SMA	-10~+60
7000~11000	4000	0.60	18.0	1.35	30	SMA	-10~+60
7000~12000	5000	0.60	16.0	1.50	30	SMA	-10~+60
7000~13000	6000	0.70	14.0	1.60	30 max.	SMA	0~+60
7500~9000	1500	0.40	20.0	1.25	30	SMA	-10~+60
7700~8500	800	0.40	20.0	1.25	30	SMA	-10~+60
7700~9000	1300	0.40	20.0	1.25	30	SMA	-10~+60
7900~8400	500	0.40	20.0	1.25	30	SMA	-10~+60
7900~9000	1100	0.40	20.0	1.25	30	SMA	-10~+60
8000~8500	500	0.40	20.0	1.25	30	SMA	-10~+60
8000~9000	1000	0.40	20.0	1.25	30	SMA	-10~+60
8000~10000	2000	0.50	10.0	1.30	30	SMA	-10~+60
8000~11000	3000	0.50	18.0	1.30	30	SMA	-10~+60
8000~12000	4000	0.50	18.0	1.30	30	SMA	-10~+60
8000~12400	4400	0.60	16.0	1.40	30	SMA	-10~+60
8300~8400	100	0.30	23.0	1.20	30	SMA	-10~+60
8500~9500	1000	0.40	20.0	1.25	30	SMA	-10~+60
8550~9350	800	0.40	20.0	1.25	30	SMA	-10~+60
8900~9100	200	0.40	20.0	1.25	30	SMA	-10~+60
9000~10000	1000	0.40	20.0	1.25	30	SMA	-10~+60
9000~10200	1200	0.40	20.0	1.25	30 max.	SMA	-10~+60
9100~9600	500	0.40	20.0	1.25	30	SMA	-10~+60
9100~9700	600	0.40	20.0	1.25	30	SMA	-30~+75
9300~9600	300	0.40	20.0	1.25	30	SMA	-10~+60
9700~11700	2000	0.50	20.0	1.25	30	SMA	-10~+60
9850~10150	300	0.30	23.0	1.20	30	SMA	-10~+60

Frequency (MHz)	Bandwidth (MHz)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Connector	Temperature (°C)
9900~10100	200	0.30	25.0	1.15	30	SMA	-10~+60
10000~11000	1000	0.30	23.0	1.20	30 max.	SMA	-10~+60
10400~10600	200	0.30	23.0	1.20	30	SMA	-10~+60
10700~12700	2000	0.40	20.0	1.20	30 max.	SMA	-10~+60
10700~13300	2600	0.40	20.0	1.20	30	SMA	-10~+60

Outline Drawings



Unit: mm [inch]

Tolerance: $\pm 0.2\text{mm}$ [$\pm 0.008\text{in}$]

Mechanical

Size*1: 13*19*12.7mm
0.512*0.748*0.5in

Mounting: 3-M2, depth 5mm

[1] Exclude connectors

How To Order

FCC1319C-V-W-X-Y-Z

V: Start frequency in MHz

W: Stop frequency in MHz

X: Average power in W

Y: Connector type

Z: Direction type

Connector Naming Rules:

S - SMA Female

Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

Examples:

To order a FCC1319C series Circulator, 8~12GHz, 30W, SMA female, Clockwise, specify FCC1319C-8000-12000-30-S-1.

Customization is available upon request.