

# FCI3033X

## High Power, High Isolation

**Features:**

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

**Applications:**

- \* Wireless
- \* Radar
- \* Laboratory Test

**Description**

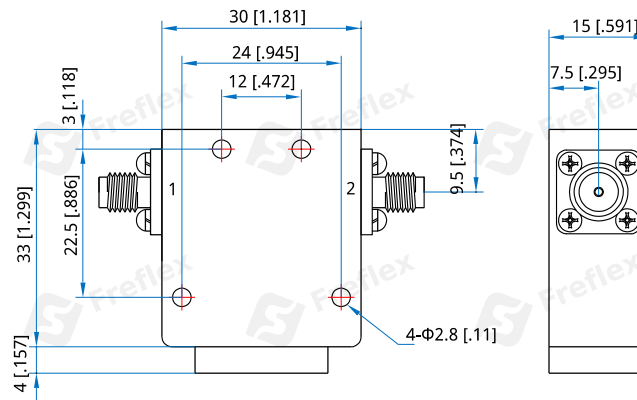
FCI3033X series Coaxial Isolators cover frequency range 700~3000MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

**Specifications**

Frequency (MHz)	Bandwidth (MHz)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Fwd Power*1 (W Max.)	Rev Power (W)	Connector	Temperature (°C)
700~1300	100	0.30	23.0	1.20	100	10~100	SMA	-30~+70
700~1300	200	0.40	20.0	1.25	100	10~100	SMA	-30~+70
700~900	200	0.40	20.0	1.25	100	10~100	SMA	-30~+70
800~1000	200	0.40	20.0	1.25	100	10~100	SMA	-30~+70
890~960	70	0.25	25.0	1.15	100	10~100	SMA	-30~+70
950~1450	500	0.60	15.0	1.45	100	10~100	SMA	-30~+70
960~1215	255	0.30	21.0	1.20	100	10~100	SMA	-30~+70
960~1260	300	0.45	20.0	1.25	100	10~100	SMA	-30~+70
1030~1090	60	0.25	25.0	1.15	100	10~100	SMA	-30~+70
1290~1310	20	0.25	25.0	1.15	100	10~100	SMA	-30~+70
1300~3000	200	0.30	23.0	1.20	100	10~100	SMA	-30~+70
1300~3000	300	0.45	18.0	1.30	100	10~100	SMA	-30~+70
1350~1850	500	0.60	15.0	1.45	100	10~100	SMA	-30~+70
1400~1700	300	0.45	20.0	1.25	100	10~100	SMA	-30~+70
1700~2300	600	0.50	20.0	1.25	100	10~100	SMA	-30~+70
1900~2200	300	0.40	20.0	1.25	100	10~100	SMA	-30~+70
2100~2700	600	0.50	18.0	1.35	100	10~100	SMA	-30~+70
2200~2400	200	0.30	23.0	1.20	100	10~100	SMA	-30~+70
2300~2700	400	0.40	20.0	1.25	100	10~100	SMA	-30~+70
2500~2700	200	0.30	23.0	1.20	100	10~100	SMA	-30~+70
2700~2900	200	0.30	23.0	1.20	100	10~100	SMA	-30~+70
2800~3000	200	0.30	23.0	1.20	100	10~100	SMA	-30~+70

The size of the termination varies according to the reverse power

## Outline Drawings



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

### Mechanical

Size<sup>\*2</sup>: 30\*33\*15mm  
1.181\*1.299\*0.591in

Mounting: 4-Φ2.8mm through-hole

[2] Exclude connectors and terminations.

### Connector Naming Rules:

S - SMA Female

### Direction Naming Rules:

1 - Clockwise

2 - Anticlockwise

### How To Order

**FCI3033X-U-V-W-X-Y-Z**

U: Start frequency in MHz

V: Stop frequency in MHz

W: Forward power in W

X: Reverse power in W

Y: Connector type

Z: Direction type

Examples:

To order a FCI3033X series Isolator, 1400~1600MHz, Forward power 100W, Reverse power 100W, SMA female, Clockwise, specify FCI3033X-1400-1600-K1-K1-S-1.

Customization is available upon request.