QDI1919X

High Power, High Isolation

Features:
* High Power
* High Isolation
* Low Insertion Loss
* Low VSWR

Applications:
* Wireless
* Radar
* Laboratory Test

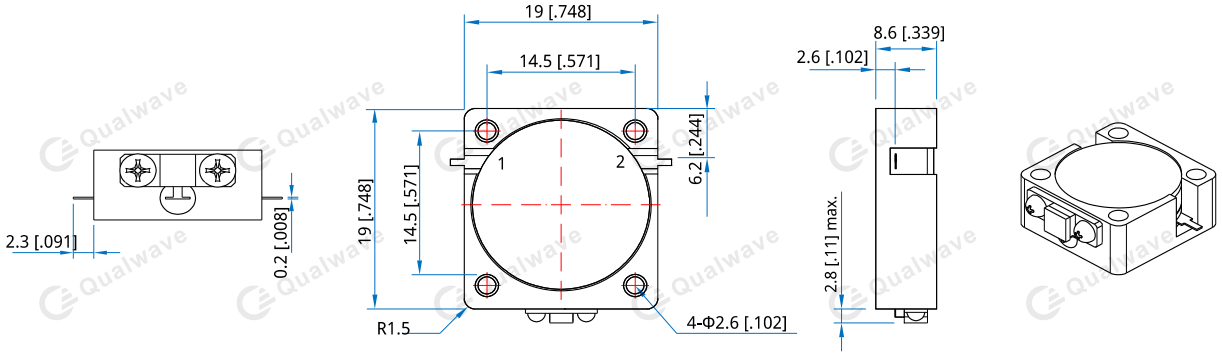
Description

QDI1919X series Drop-In Isolators cover frequency range 800~4300MHz. 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)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Fwd Power (W)	Rev Power (W)	Temperature (°C)
800~1000	20	0.40	20.0	1.25	100	20	-30~+70
865~880	15	0.40	20.0	1.25	100	20	-30~+70
925~960	35	0.40	20.0	1.25	100	20	-30~+70
1030~1090	60	0.30	23.0	1.20	100	20	-30~+70
1000~1200	200	0.40	20.0	1.25	100	20	-30~+70
1100~1300	200	0.40	20.0	1.25	100	20	-30~+70
1325~1375	50	0.30	23.0	1.20	100	20	-30~+70
1500~1700	200	0.40	20.0	1.20	100	20	-30~+70
1700~1900	200	0.40	20.0	1.25	100	20	-30~+70
1710~1785	75	0.30	23.0	1.20	100	20	-30~+70
1805~1880	75	0.30	23.0	1.20	100	20	-30~+70
1920~1980	70	0.30	23.0	1.20	100	20	-30~+70
2110~2170	60	0.30	23.0	1.20	100	20	-30~+70
2000~2200	200	0.30	23.0	1.20	100	20	-30~+70
2100~2700	600	0.50	18.0	1.35	100	20	-30~+70
2200~2400	200	0.30	23.0	1.20	100	20	-30~+70
2300~2500	200	0.30	23.0	1.20	100	20	-30~+70
2300~2700	400	0.40	20.0	1.25	100	20	-30~+70
2350~2650	300	0.50	20.0	1.25	100	20	-40~+85
2700~3100	400	0.40	20.0	1.25	100	20	-30~+70
3100~3400	300	0.40	20.0	1.25	100	20	-30~+70
3400~3600	200	0.30	23.0	1.20	100	20	-30~+70
3400~4300	900	0.50	20.0	1.25	100	20	-30~+70

Outline Drawings



Unit: mm [inch] Tolerance: ±0.2mm [±0.008in]

Mechanical

Size[*1]:	19*19*8.6mm
	0.748*0.748*0.339in
Connector Type:	Strip line
Mounting:	4-Φ2.6mm through-hole

[1] Exclude connectors and terminations.

Direction Naming Rules:

1 - Clockwise
2 - Anticlockwise

How To Order

QDI1919X-V-W-X-Y-Z

V: Start frequency in MHz
W: Stop frequency in MHz
X: Forward power in W
Y: Reverse power in W
Z: Direction type

Examples:
To order a QDI1919X series Isolator, 2300~2700MHz, Forward power 100W, Reverse power 20W, Clockwise, specify QDI1919X-2300-2700-K1-20-1.

Customization is available upon request.