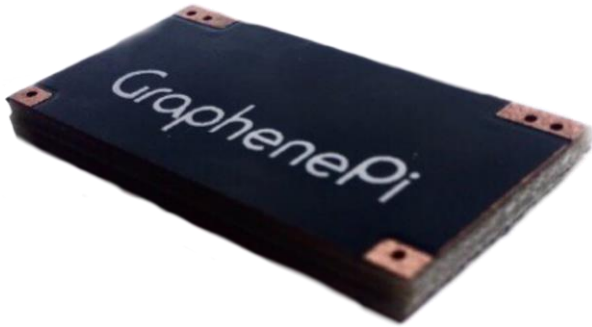




# QUADRATURE RF COUPLER

## C-RC-Q5050-400



**Description:** C-RC-Q5050-400 Quadrature RF Coupler is a microwave component excellent to match pairs of devices to impedance.

### Mechanical Features:

Frequency	400-1000 MHz
Insertion Loss	< 0.5 dB
VSWR	< 1.30:1
Isolation	> 20 dB
Amplitude Balance	$\pm 0.75$ dB
Phase Balance	$\pm 3^\circ$
Power	200 Watt
Temperature	-55° to 85°
Size	40mm x 20mm x 4mm



# QUADRATURE RF COUPLER

## C-RC-Q5050-400

$J_3: 50\Omega$

$J_4: 50\Omega$



$J_1: 50\Omega$

$J_2: 50\Omega$

### Port Configuration

INPUT	J1	J2	J3	J4
J1, 50 Ohm	-	Isolation	-3 dB/ 0°	-3 dB/ -90°
J2, 50 Ohm	Isolation	-	-3 dB/ -90°	-3 dB/ 0°
J3, 50 Ohm	-3 dB/ 0°	-3 dB/ -90°	-	Isolation
J4, 50 Ohm	-3 dB/ -90°	-3 dB/ 0°	Isolation	-