

# Data Sheet

## DC0410U20-060

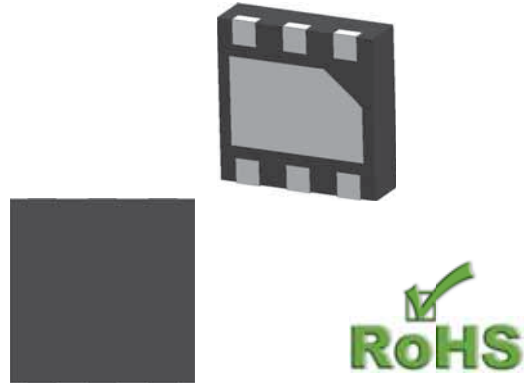
### Directional Coupler

### 350 MHz-470 MHz



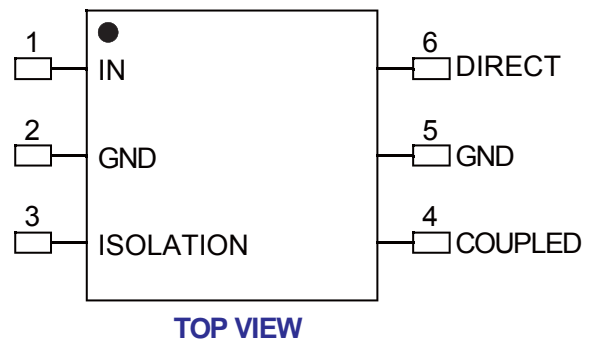
## Features

- Small Size (2×2mm)
- Very Low Loss
- Excellent directivity
- Broad frequency coverage
- High Isolation
- Low VSWR
- Good Repeatability
- Tape & Reel
- Power handling:5 watts



## Applications

- Phase shifter / Attenuator
- Balanced amplifier / LNA configurations
- Modulators
- Mixers
- Power combining /dividing



## Electrical Specifications at 25° C

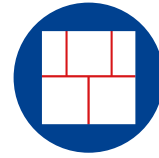
Part No.	Freq. Range (MHz) FL~FU	Power (W)	Size LxW (mm)	Coupling (dB)	Insertion loss (dB)	VSWR(:1)	Directivity (dB)
DC0410U20-060	350~380	5	2X2	19.5~19	0.1	1.06	20.2
	380~410			19~18.3	0.11	1.06	20
	410~440			18.3~17.7	0.11	1.06	19.7
	440~470			17.7~17	0.11	1.06	19.4

## Yantel Corporation

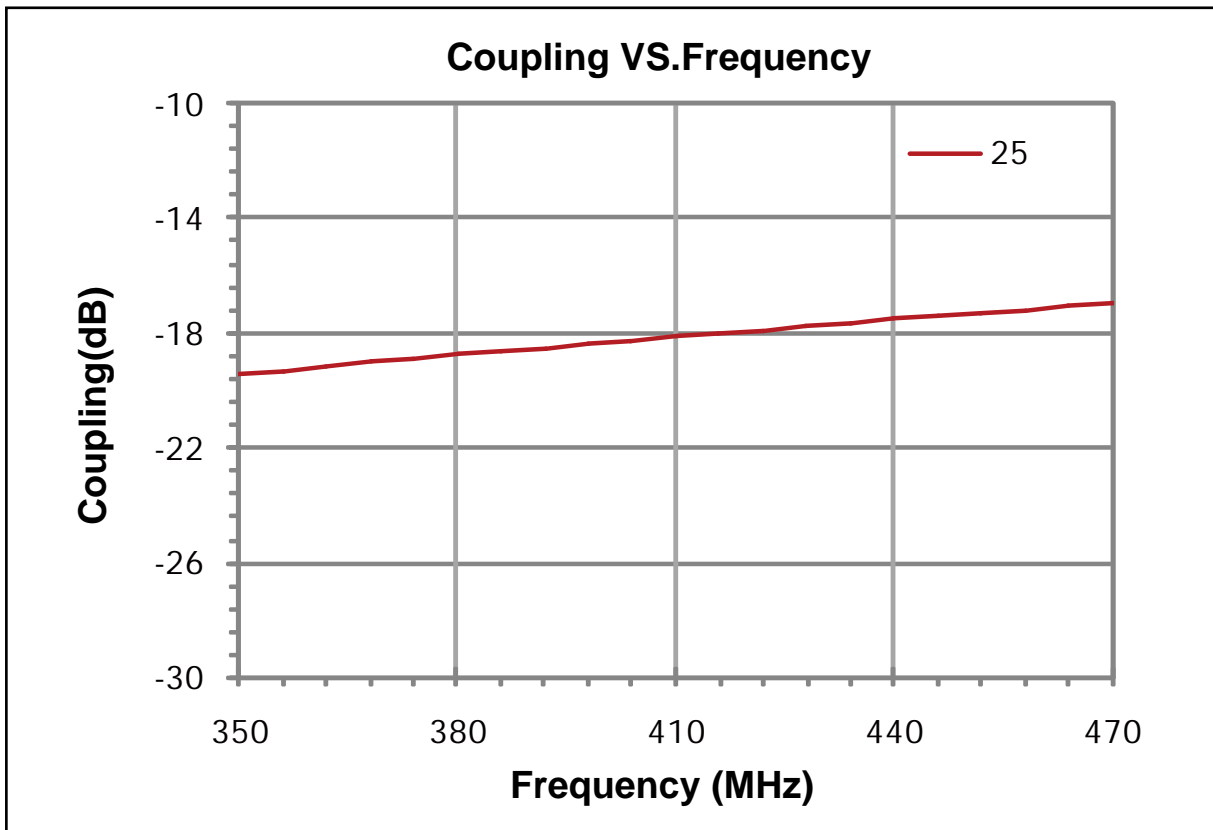
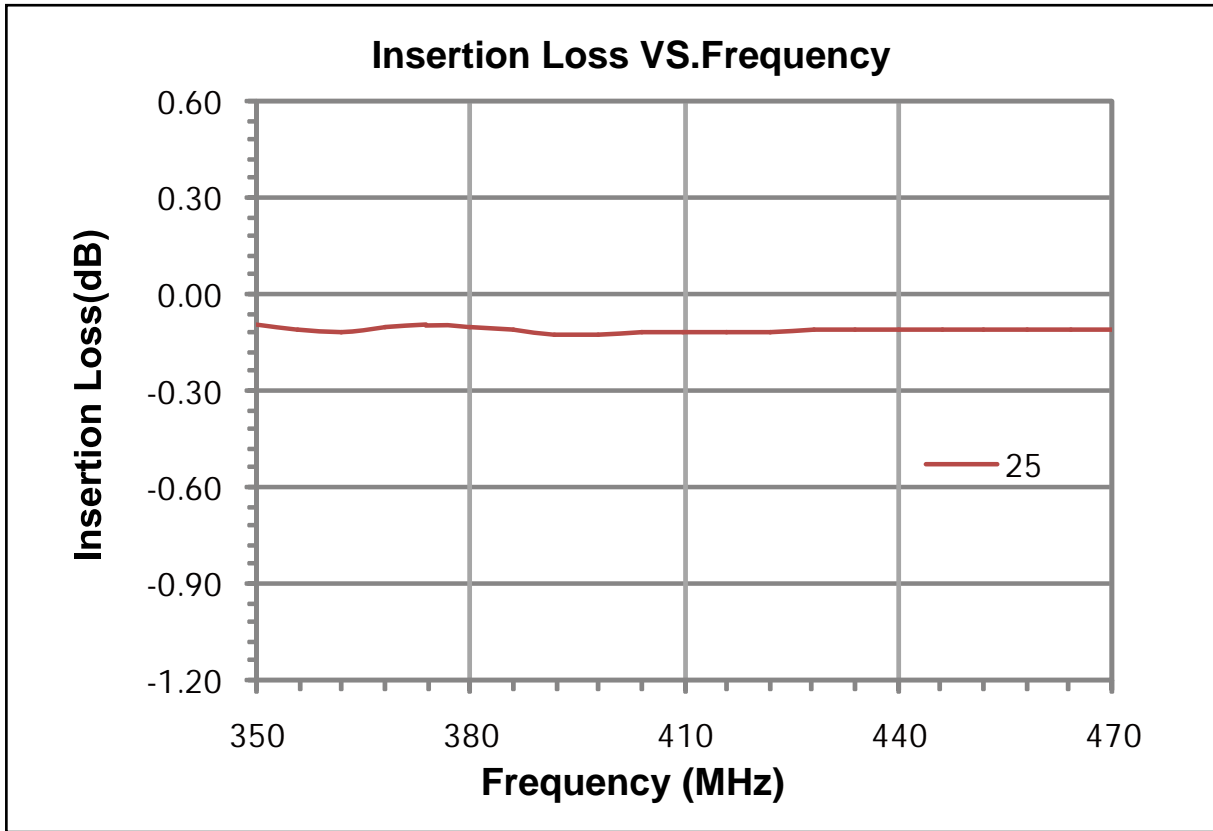
Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China  
 Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

**Data Sheet**  
**DC0410U20-060**  
Directional Coupler  
350 MHz-470 MHz



**Yantel**  
Key Patents Lead Microwave Tech



**Yantel Corporation**

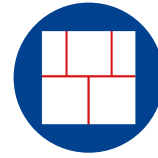
Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China  
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

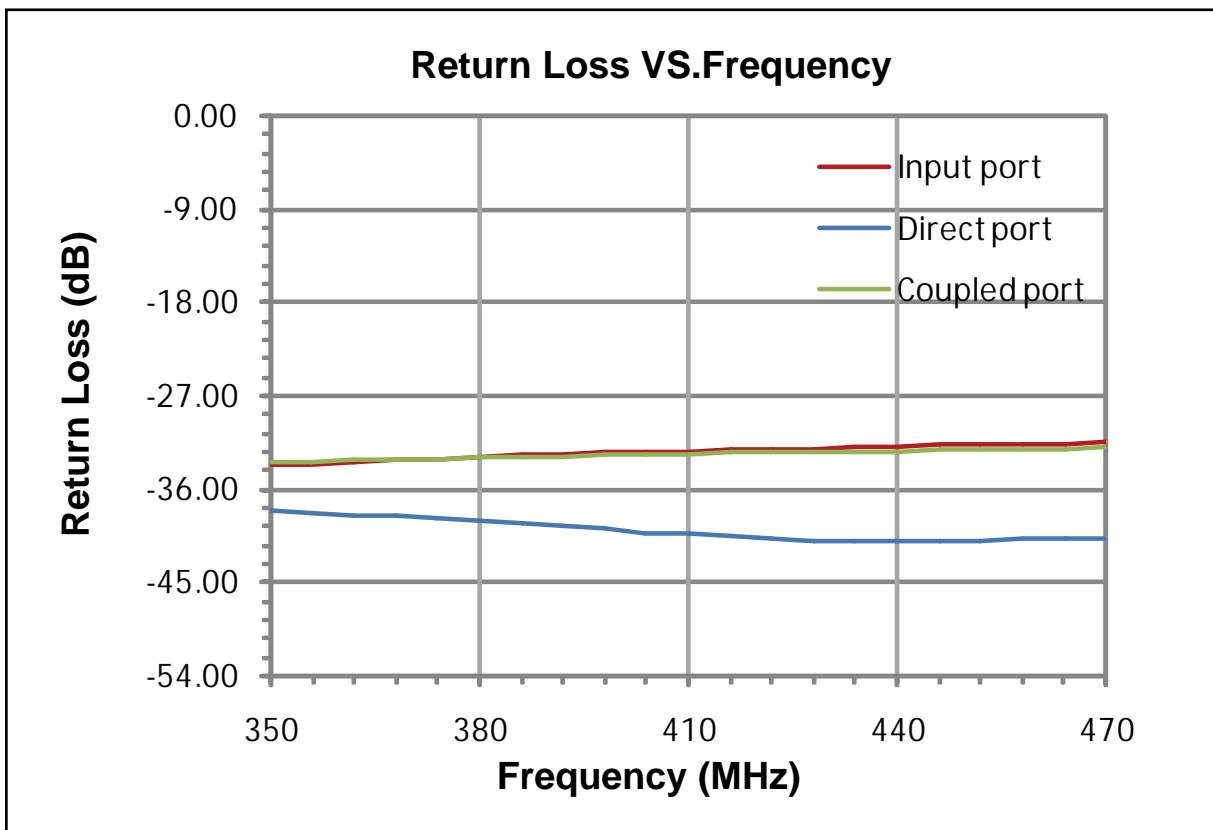
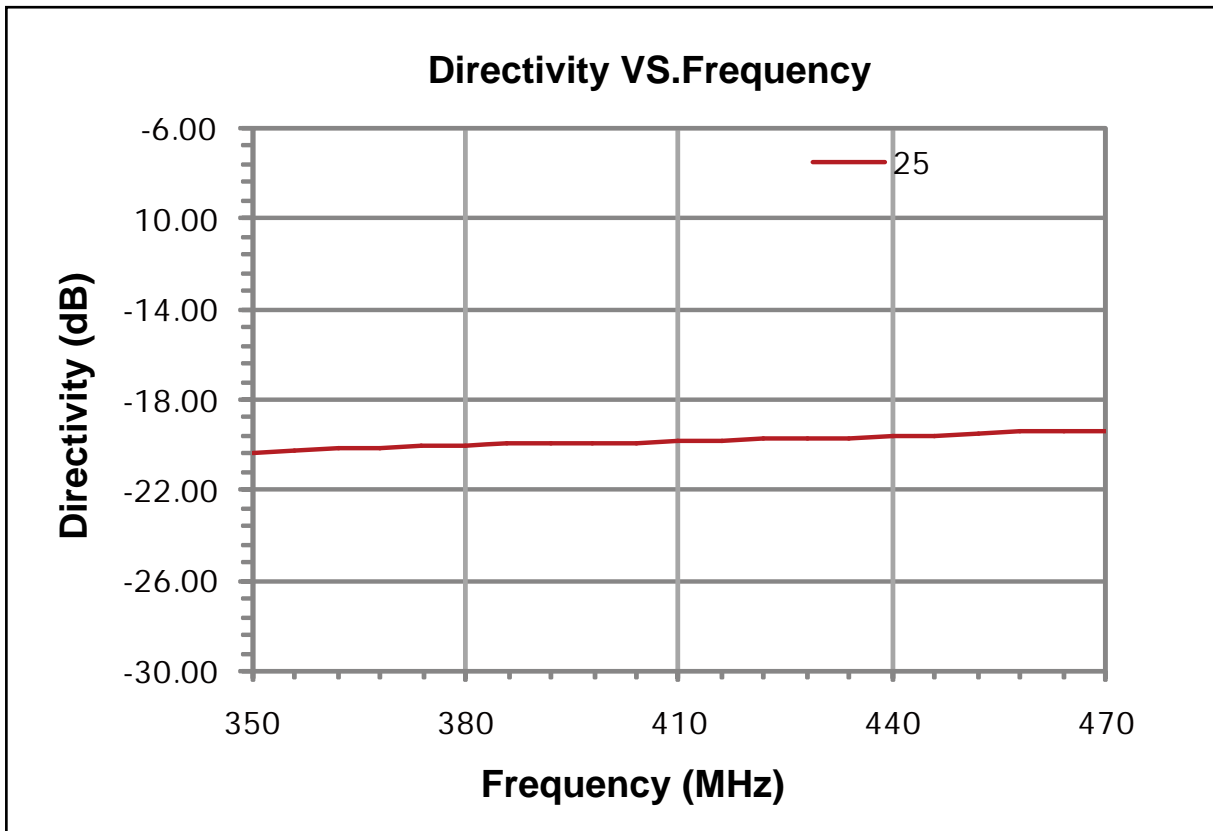
# Data Sheet

## DC0410U20-060

Directional Coupler  
350 MHz-470 MHz



**Yantel**  
Key Patents Lead Microwave Tech



#### Yantel Corporation

Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China  
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

# Data Sheet

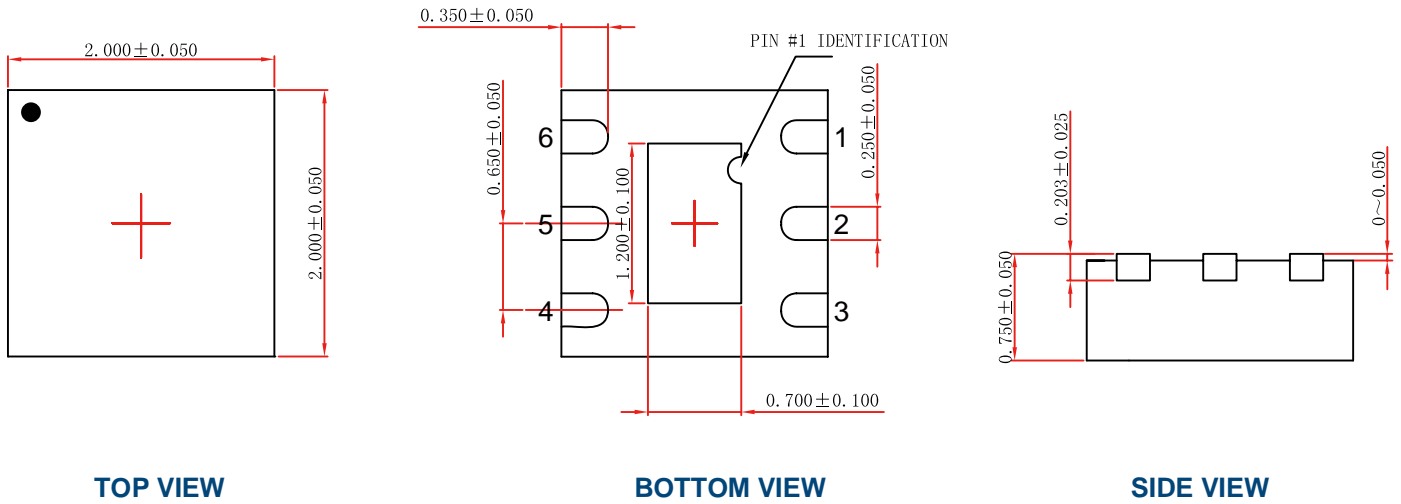
## DC0410U20-060

### Directional Coupler

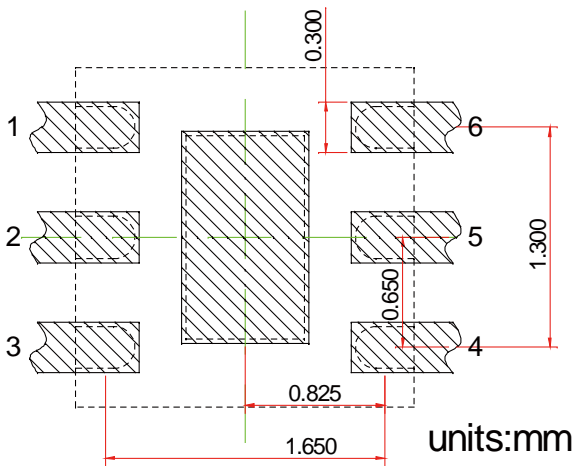
### 350 MHz-470 MHz



## Outline Drawing



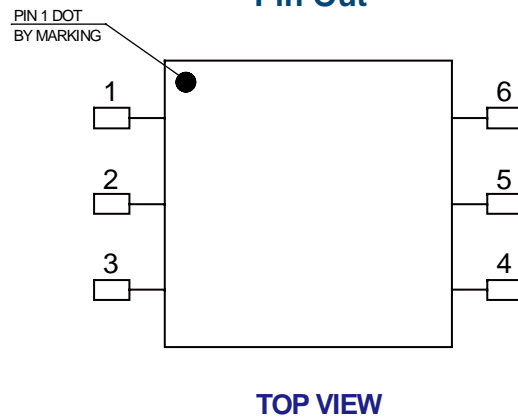
## Land Pattern



## Recommended Land Pattern Top View

**Notes:** All dimensions show in millimeters

## Pin Out



**TOP VIEW**

Pin #	Connection
1	IN
2	GND
3	ISOLATION
4	COUPLED
5	GND
6	DIRECT

## Yantel Corporation

Add : 3F, Building 3, Southern District 2 of Zhongguan Honghualing Industrial Park, Xili, Nanshan, Shenzhen, China  
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)