



### Port Configuration

|           |                 |
|-----------|-----------------|
| Input     | Pin-1           |
| Isolation | Pin-4           |
| +90 deg.  | Pin-5           |
| 0 deg.    | Pin-8           |
| Ground    | 2, 3, 6,7, case |

### Electrical Specifications:

|                    |                |        |     |
|--------------------|----------------|--------|-----|
| Frequency Range:   | 5-10           | Mhz    |     |
| Insertion Loss:    | 0.50           | dB     | Max |
| Amplitude Balance: | ±0.5           | dB     | Max |
| Isolation:         | 25             | dB     | Min |
| Phase Balance      | 90±2           | Degree | Max |
| VSWR:              | 1.20:1         |        | Max |
| Power at Input     | 2              | Watt   | Max |
| Operating Temp.    | -55°C to 80°C  |        |     |
| Storage Temp.      | -55°C to 125°C |        |     |
| ECCN               | EAR99          |        |     |

Theoretical splitting loss is 3.0 dB.

# SigaTek

423 Black Oak Ridge Rd.  
Wayne, NJ 07470  
Ph: 973-706-8475, Fax: 973-832-4435  
www.sigatek.com

## SQ10F2

Hybrid 90 Degree Flatpack  
Lumped Elements

Dimensions are in inches and (mm)  
Decimal Tolerance:  
2 place +- 0.020  
3 place +- 0.010

**CAGE CODE : 69UC1**

Notes: All dimensions are typical unless they are specified.  
Specifications are subject to change at any time without any notice.  
Copy or distribution of this drawing is not allowed without Sigatek's approval.

