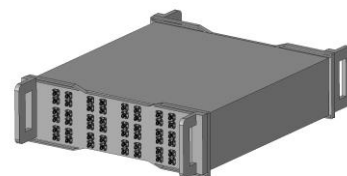


## 32\*16巴特勒矩阵

型号 - SA-07-3216B034036 Rev.A

3.4-3.6GHz 32\*16巴特勒矩阵; 同轴连接器封装



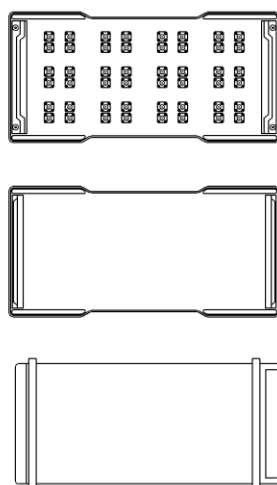
本技术规格书内容变化恕不另行通知

### 机电性能

| 工作频段              | GHz  | 3.4-3.6                   | 任意100MHz         |
|-------------------|--|---------------------------|------------------|
| VSWR              | :1 (Max.)  | 1.6                       | 1.6              |
| 插入损耗 <sup>1</sup> | dB(Max.)   | 18.5                      | 18.5             |
| 幅度平衡              | dB(Max.)   | ±0.7                      | ±0.6             |
| 幅度平坦度             | dB(Max.)   | ±0.8                      | ±0.7             |
| 相位精度              | Deg. (Max.)  | ±5                        | ±4               |
| 隔离度               | dB(Min.)   | 12                        | 12               |
| 功率 <sup>2</sup>   | W(Max.)  | 额定(CW): 5; 峰值(Peak): 500; |                  |
| 重量                | g(Max.)  | TBD                       | 外形尺寸 mm 机箱, 高度3U |
| 封装类型              | 不锈钢同轴接头; 输入端: SMA 阴头 [F], 输出端: SMA 阴头 [F]                          |                           |                  |
| 表面处理              | 丙烯酸漆喷涂   |                           |                  |
| 温度指标              | 工作: -40~+70°C, 储存: -55~+85°C; 符合SJ 20527A-2003 3.12.1标准c及3.12.2标准c |                           |                  |
| 环境指标              | N/A  |                           |                  |
| 定制要求              | N/A  |                           |                  |

- 注释
1. 包含理论插损15dB
  2. 额定功率基于单个输入端

### 2D外形图

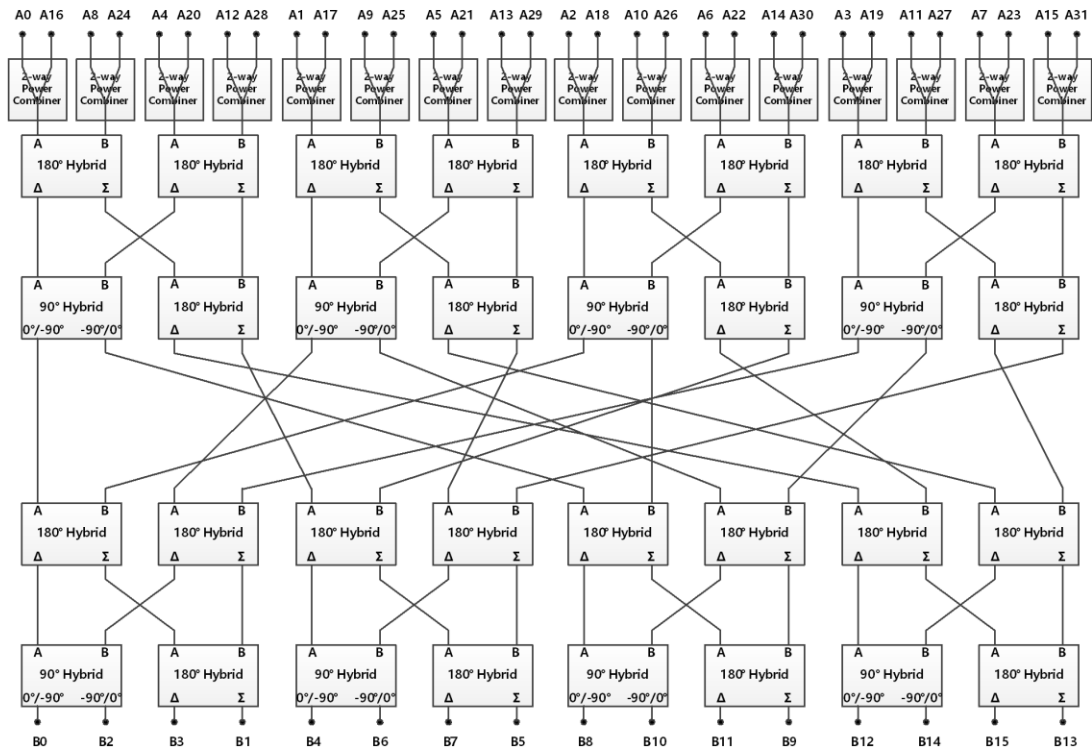


# 32\*16巴特勒矩阵

型号 - SA-07-3216B034036 Rev.A

3.4-3.6GHz 32\*16巴特勒矩阵; 同轴连接器封装

拓扑图



## 32\*16巴特勒矩阵

型号 - SA-07-3216B034036 Rev.A

3.4-3.6GHz 32\*16巴特勒矩阵; 同轴连接器封装

I/O 相位矩阵

| Input<br>Output | A0  | A1  | A2  | A3  | A4  | A5  | A6  | A7  | A8  | A9  | A10 | A11 | A12 | A13 | A14 | A15 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| B0              | 180 | 90  | 0   | -90 | 90  | 0   | -90 | 180 | 0   | -90 | 180 | 90  | -90 | 180 | 90  | 0   |
| B1              | 90  | 90  | 90  | 90  | 0   | 0   | 0   | 0   | -90 | -90 | -90 | -90 | 180 | 180 | 180 | 180 |
| B2              | 90  | 180 | -90 | 0   | 0   | 90  | 180 | -90 | -90 | 0   | 90  | 180 | 180 | -90 | 0   | 90  |
| B3              | 180 | 0   | 180 | 0   | 90  | -90 | 90  | -90 | 0   | 180 | 0   | 180 | -90 | 90  | -90 | 90  |
| B4              | 90  | 0   | -90 | 180 | 90  | 0   | -90 | 180 | 90  | 0   | -90 | 180 | 90  | 0   | -90 | 180 |
| B5              | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| B6              | 0   | 90  | 180 | -90 | 0   | 90  | 180 | -90 | 0   | 90  | 180 | -90 | 0   | 90  | 180 | -90 |
| B7              | 90  | -90 | 90  | -90 | 90  | -90 | 90  | -90 | 90  | -90 | 90  | -90 | 90  | -90 | 90  | -90 |
| B8              | 90  | 0   | -90 | 180 | 180 | 90  | 0   | -90 | -90 | 180 | 90  | 0   | 0   | -90 | 180 | 90  |
| B9              | 0   | 0   | 0   | 0   | 90  | 90  | 90  | 90  | 180 | 180 | 180 | 180 | -90 | -90 | -90 | -90 |
| B10             | 0   | 90  | 180 | -90 | 90  | 180 | -90 | 0   | 180 | -90 | 0   | 90  | -90 | 0   | 90  | 180 |
| B11             | 90  | -90 | 90  | -90 | 180 | 0   | 180 | 0   | -90 | 90  | -90 | 90  | 0   | 180 | 0   | 180 |
| B12             | 180 | 90  | 0   | -90 | 0   | -90 | 180 | 90  | 180 | 90  | 0   | -90 | 0   | -90 | 180 | 90  |
| B13             | 90  | 90  | 90  | 90  | -90 | -90 | -90 | -90 | 90  | 90  | 90  | 90  | -90 | -90 | -90 | -90 |
| B14             | 90  | 180 | -90 | 0   | -90 | 0   | 90  | 180 | 90  | 180 | -90 | 0   | -90 | 0   | 90  | 180 |
| B15             | 180 | 0   | 180 | 0   | 0   | 180 | 0   | 180 | 180 | 0   | 180 | 0   | 0   | 180 | 0   | 180 |

| Input<br>Output | A16 | A17 | A18 | A19 | A20 | A21 | A22 | A23 | A24 | A25 | A26 | A27 | A28 | A29 | A30 | A31 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| B0              | 180 | 90  | 0   | -90 | 90  | 0   | -90 | 180 | 0   | -90 | 180 | 90  | -90 | 180 | 90  | 0   |
| B1              | 90  | 90  | 90  | 90  | 0   | 0   | 0   | 0   | -90 | -90 | -90 | -90 | 180 | 180 | 180 | 180 |
| B2              | 90  | 180 | -90 | 0   | 0   | 90  | 180 | -90 | -90 | 0   | 90  | 180 | 180 | -90 | 0   | 90  |
| B3              | 180 | 0   | 180 | 0   | 90  | -90 | 90  | -90 | 0   | 180 | 0   | 180 | -90 | 90  | -90 | 90  |
| B4              | 90  | 0   | -90 | 180 | 90  | 0   | -90 | 180 | 90  | 0   | -90 | 180 | 90  | 0   | -90 | 180 |
| B5              | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| B6              | 0   | 90  | 180 | -90 | 0   | 90  | 180 | -90 | 0   | 90  | 180 | -90 | 0   | 90  | 180 | -90 |
| B7              | 90  | -90 | 90  | -90 | 90  | -90 | 90  | -90 | 90  | -90 | 90  | -90 | 90  | -90 | 90  | -90 |
| B8              | 90  | 0   | -90 | 180 | 180 | 90  | 0   | -90 | -90 | 180 | 90  | 0   | 0   | -90 | 180 | 90  |
| B9              | 0   | 0   | 0   | 0   | 90  | 90  | 90  | 90  | 180 | 180 | 180 | 180 | -90 | -90 | -90 | -90 |
| B10             | 0   | 90  | 180 | -90 | 90  | 180 | -90 | 0   | 180 | -90 | 0   | 90  | -90 | 0   | 90  | 180 |
| B11             | 90  | -90 | 90  | -90 | 180 | 0   | 180 | 0   | -90 | 90  | -90 | 90  | 0   | 180 | 0   | 180 |
| B12             | 180 | 90  | 0   | -90 | 0   | -90 | 180 | 90  | 180 | 90  | 0   | -90 | 0   | -90 | 180 | 90  |
| B13             | 90  | 90  | 90  | 90  | -90 | -90 | -90 | -90 | 90  | 90  | 90  | 90  | -90 | -90 | -90 | -90 |
| B14             | 90  | 180 | -90 | 0   | -90 | 0   | 90  | 180 | 90  | 180 | -90 | 0   | -90 | 0   | 90  | 180 |
| B15             | 180 | 0   | 180 | 0   | 0   | 180 | 0   | 180 | 180 | 0   | 180 | 0   | 0   | 180 | 0   | 180 |