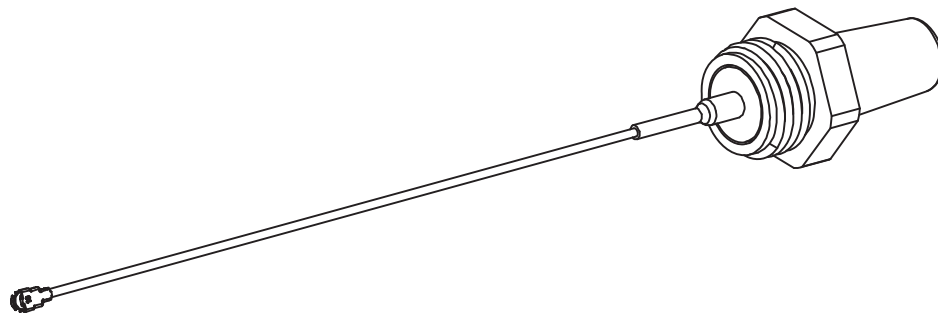
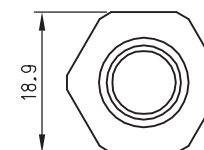
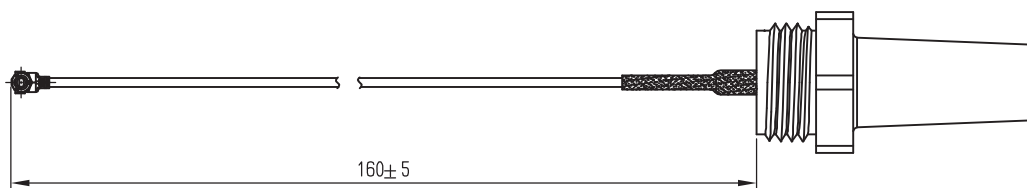




Antenna name:3010-0221



单位 (UNIT)  
mm

产品性能 (Electrical Specifications)

|                         |                 |
|-------------------------|-----------------|
| 频率范围 (Frequency Range)  | 2400-2500MHz    |
| 增益 (Gain)               | 2 dBi           |
| 电压驻波比 (V.S.W.R)         | <2 : 1          |
| 极化 (Polarzation)        | Linear.Vertical |
| 最大功率 (Max power rating) | 50 W            |
| 特性阻抗 (Lmpedance)        | 50 OHM          |

 深圳市凯业达电子有限公司  
ANTENNA TECHNOLOGY SHENZHEN KYD ELECTRONIC CO.,LTD

Manufacturer:SHENZHEN KYD ELECTRONIC CO.,LTD  
3rd Floor, Building 77, Xinsha Industrial City, Pinghu Street, Longgang District,  
Shenzhen, Guangdong Province



ANTENNA TECHNOLOGY

深圳市凯业达电子有限公司

| Frequency ID               | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     | 11     | 12     | 13     | 14     | 15     | 16     | 17     | 18     | 19     | 20     | 21     |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Frequency (MHz)            | 2400.0 | 2405.0 | 2410.0 | 2415.0 | 2420.0 | 2425.0 | 2430.0 | 2435.0 | 2440.0 | 2445.0 | 2450.0 | 2455.0 | 2460.0 | 2465.0 | 2470.0 | 2475.0 | 2480.0 | 2485.0 | 2490.0 | 2495.0 | 2500.0 |
| Efficiency (dBi)           | -3.10  | -3.16  | -3.03  | -2.98  | -2.94  | -2.78  | -2.87  | -2.81  | -2.82  | -1.93  | -1.92  | -1.91  | -1.97  | -1.92  | -1.88  | -1.83  | -1.72  | -1.61  | -1.59  | -1.52  | -1.55  |
| Gain (dBi)                 | 2.65   | 2.50   | 2.58   | 2.58   | 2.58   | 2.66   | 2.47   | 2.44   | 2.40   | 3.26   | 3.18   | 3.04   | 2.82   | 2.77   | 2.84   | 2.96   | 3.08   | 3.15   | 3.13   | 3.21   | 3.16   |
| Efficiency (%)             | 48.93  | 48.35  | 49.83  | 50.40  | 50.81  | 52.74  | 51.58  | 52.33  | 52.23  | 64.12  | 64.28  | 64.37  | 63.47  | 64.20  | 64.86  | 65.56  | 67.24  | 68.96  | 69.29  | 70.53  | 70.00  |
| Directivity (dB)           | 5.76   | 5.66   | 5.60   | 5.56   | 5.52   | 5.44   | 5.35   | 5.25   | 5.22   | 5.19   | 5.09   | 4.96   | 4.80   | 4.69   | 4.72   | 4.79   | 4.80   | 4.76   | 4.72   | 4.73   | 4.71   |
| Peak Gain Position (Theta) | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 |
| Peak Gain Position (Phi)   | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 | 240.00 | 240.00 | 240.00 | 240.00 | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 | 225.00 |
| Efficiency ThetaPol (%)    | 31.81  | 32.20  | 33.56  | 34.02  | 34.11  | 35.81  | 35.61  | 36.66  | 36.35  | 44.34  | 44.78  | 45.66  | 45.95  | 46.78  | 47.04  | 47.36  | 49.23  | 51.42  | 52.20  | 52.93  | 52.38  |
| Efficiency PhiPol (%)      | 17.12  | 16.16  | 16.26  | 16.38  | 16.70  | 16.93  | 15.97  | 15.67  | 15.88  | 19.78  | 19.49  | 18.71  | 17.52  | 17.42  | 17.83  | 18.20  | 18.00  | 17.54  | 17.09  | 17.60  | 17.62  |
| Upper Hem. Efficiency (%)  | 19.90  | 19.78  | 20.52  | 20.96  | 21.29  | 22.29  | 22.08  | 22.62  | 22.66  | 27.88  | 28.00  | 28.07  | 27.72  | 28.08  | 28.42  | 28.75  | 29.62  | 30.67  | 31.08  | 31.79  | 31.76  |
| Lower Hem. Efficiency (%)  | 29.03  | 28.58  | 29.30  | 29.43  | 29.52  | 30.45  | 29.51  | 29.71  | 29.57  | 36.24  | 36.27  | 36.30  | 35.75  | 36.13  | 36.44  | 36.81  | 37.61  | 38.29  | 38.21  | 38.74  | 38.25  |
| T90(H) 圆度                  | 6.17   | 6.12   | 6.05   | 6.00   | 5.97   | 5.95   | 5.94   | 5.94   | 5.92   | 5.96   | 5.97   | 5.97   | 5.99   | 5.98   | 5.81   | 5.69   | 5.59   | 5.50   | 5.46   | 5.38   | 5.33   |
| Gain 15deg (dBi)           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| E1(XZ) 波瓣宽度                | 18.00  | 19.00  | 20.00  | 20.00  | 19.00  | 20.00  | 20.00  | 20.00  | 20.00  | 20.00  | 20.00  | 20.00  | 35.00  | 36.00  | 37.00  | 37.00  | 38.00  | 39.00  | 39.00  | 41.00  | 41.00  |
| E1(XZ) 前后比                 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.04   | 0.23   | 0.24   | 0.26   | 0.45   | 0.69   | 0.81   | 0.69   | 0.61   |
| E2(YZ) 波瓣宽度                | 30.00  | 30.00  | 32.00  | 32.00  | 33.00  | 33.00  | 34.00  | 34.00  | 35.00  | 35.00  | 35.00  | 35.00  | 35.00  | 34.00  | 35.00  | 35.00  | 35.00  | 36.00  | 36.00  | 36.00  | 37.00  |
| E2(YZ) 前后比                 | 4.93   | 5.04   | 5.01   | 5.04   | 5.09   | 5.14   | 5.21   | 5.24   | 5.18   | 5.09   | 5.13   | 5.25   | 5.33   | 5.39   | 5.44   | 5.55   | 5.63   | 5.67   | 5.73   | 5.78   | 5.77   |
| 最大增益处轴比(P)                 | 0.67   | 0.61   | 0.78   | 0.82   | 0.85   | 0.71   | 0.61   | 0.52   | 0.67   | 0.85   | 0.94   | 0.68   | 0.88   | 0.87   | 4.92   | 4.75   | 4.49   | 4.43   | 4.58   | 4.75   | 4.67   |
| 顶点(Theta=0) 处轴比(P)         | 11.53  | 11.37  | 10.94  | 10.65  | 10.76  | 10.90  | 10.75  | 10.32  | 9.85   | 9.66   | 9.77   | 9.96   | 9.91   | 9.74   | 9.99   | 10.76  | 12.13  | 13.64  | 14.72  | 15.91  | 17.37  |
| 仰角10度处轴比(P)                | 85.83  | 63.62  | 70.13  | 60.53  | 58.32  | 84.58  | 64.37  | 55.44  | 65.91  | 52.46  | 52.22  | 52.27  | 45.04  | 52.06  | 56.27  | 56.27  | 50.44  | 50.73  | 54.53  | 56.10  | 55.81  |
| Hc(XY) 波瓣宽度                | 101.00 | 100.00 | 100.00 | 99.00  | 99.00  | 99.00  | 100.00 | 100.00 | 101.00 | 102.00 | 102.00 | 101.00 | 102.00 | 103.00 | 104.00 | 104.00 | 104.00 | 104.00 | 104.00 | 105.00 | 105.00 |
| Hc(XY) 前后比                 | 0.71   | 0.94   | 1.13   | 1.17   | 1.14   | 1.20   | 1.25   | 1.26   | 1.17   | 1.06   | 1.06   | 1.10   | 1.25   | 1.30   | 1.23   | 1.19   | 1.30   | 1.46   | 1.52   | 1.45   | 1.41   |
| 左旋圆极化效率(%)                 | 24.89  | 24.67  | 25.47  | 25.80  | 26.05  | 27.06  | 26.51  | 27.00  | 26.91  | 33.08  | 33.03  | 32.83  | 32.18  | 32.62  | 33.04  | 33.40  | 34.19  | 34.99  | 35.10  | 35.63  | 35.44  |
| 右旋圆极化效率(%)                 | 24.04  | 23.69  | 24.36  | 24.59  | 24.75  | 25.68  | 25.08  | 25.33  | 25.31  | 31.04  | 31.24  | 31.54  | 31.29  | 31.58  | 31.82  | 32.16  | 33.04  | 33.96  | 34.19  | 34.90  | 34.56  |
| Empty                      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

