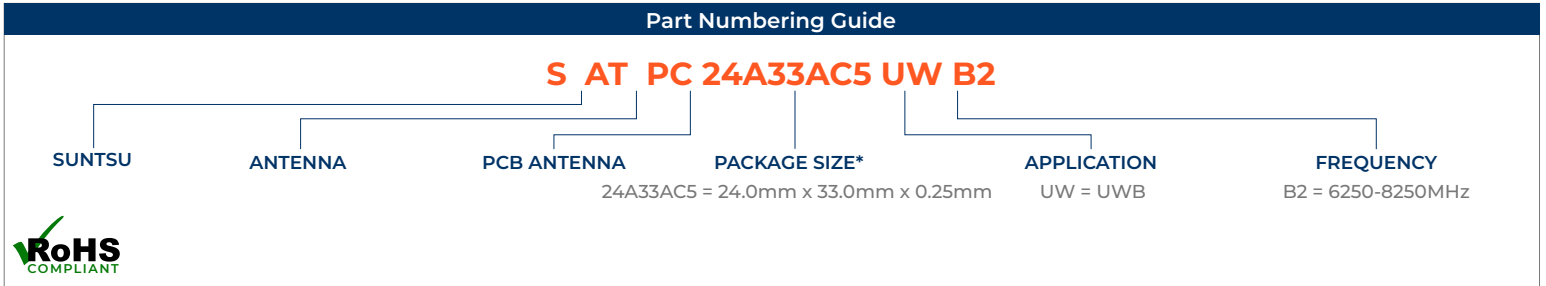
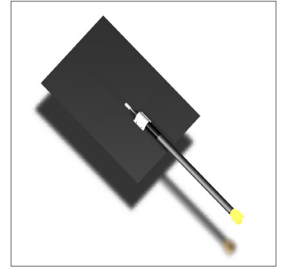
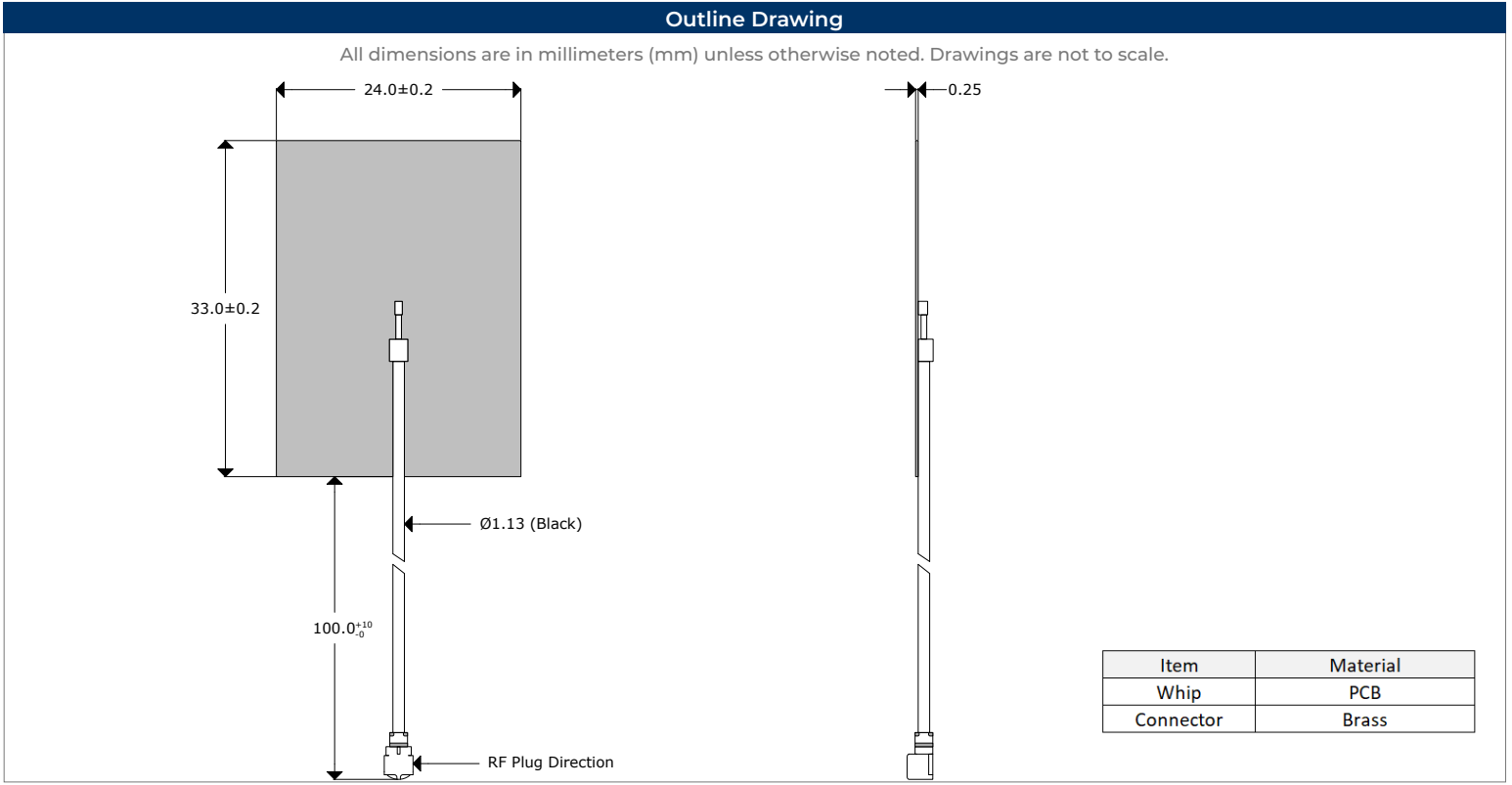


| Features |
|---|
| <ul style="list-style-type: none"> • Ultra Wide Band • PCB Type • Stable And Reliable Performance • 6250-8250MHz • Compact Size With Efficient Reception |

| Applications |
|--|
| <ul style="list-style-type: none"> • IEEE802.11 (a/b/g/n/ac) • Hand-held Devices • Portable Devices • Network Devices • Machine To Machine Wireless |

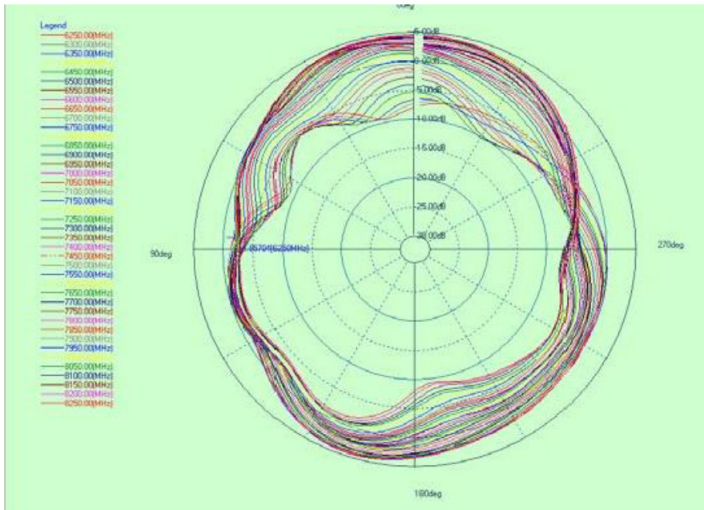


| Electrical Parameters | Units | Minimum | Typical | Maximum | Remarks |
|-----------------------|----------|---------|---------|---------|---------------------|
| Frequency Band | MHz | 6250 | | 8250 | |
| Impedance | Ω | | 50 | | |
| Polarization | | | Linear | | |
| Peak Gain | dBi | | 5.1 | | |
| Efficiency | % | | 70 | | |
| VSWR | | | | 2 | At Center Frequency |
| Operating Temperature | C | -40 | | 85 | |



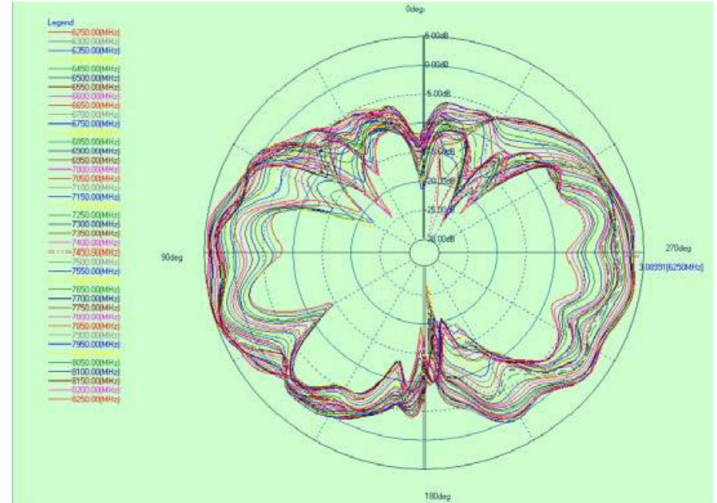
Radiation Pattern

XY Pattern



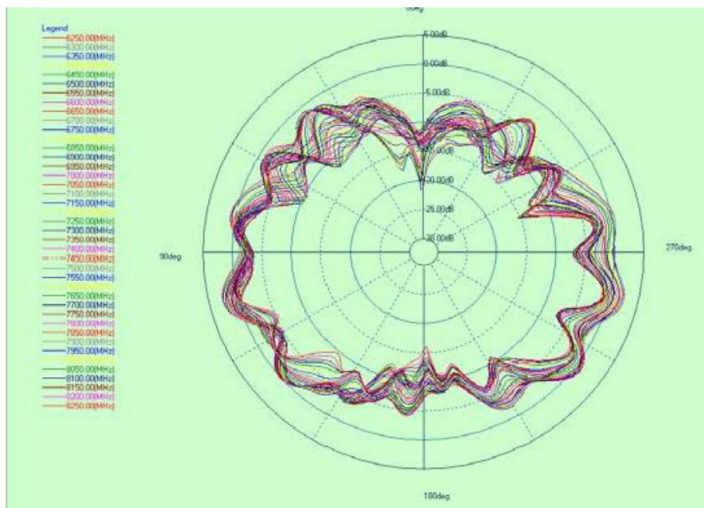
Radiation Pattern

XZ Pattern



Radiation Pattern

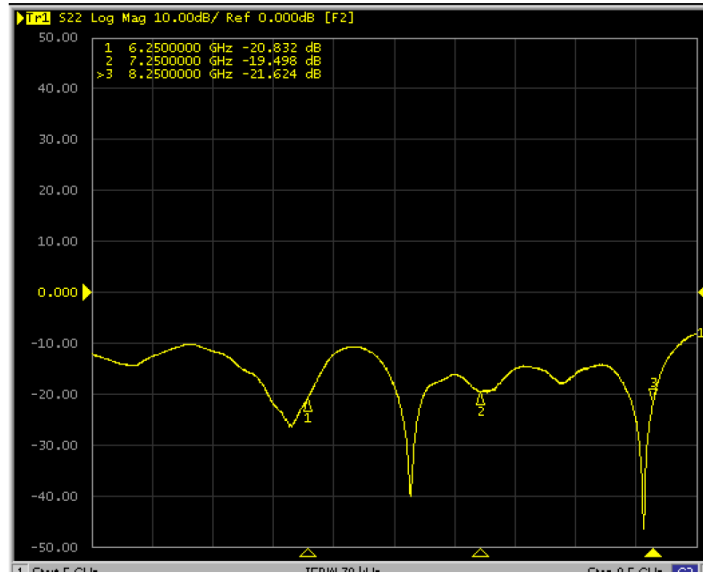
YZ Pattern



Efficiency V's Frequency

| UWB - 6250~8250 MHz | | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency (MHz) | 6250 | 6450 | 6650 | 6850 | 7050 | 7250 | 7450 | 7650 | 7850 | 8050 | 8250 |
| Efficiency (%) | 72.91 | 67.55 | 70.64 | 70.81 | 71.19 | 73.99 | 67.51 | 67.49 | 68.25 | 68.24 | 72.44 |
| Peak Gain (dBi) | 3.98 | 4.10 | 4.21 | 3.82 | 4.72 | 5.17 | 4.85 | 5.28 | 6.15 | 6.63 | 7.32 |

Electrical Test



Environmental & Mechanical Specifications

| | |
|-----------------------|---|
| High Temperature Test | 85°C for 240 hours, and then to normal temperature/humidity High Temperature Test for 24hours. |
| Low Temperature Test | -30°C for 240 hours, and then to normal temperature/humidity for 24hours. |
| Humidity Test | 85°C / 90-95%RH for 48 hours, and then to normal temperature/humidity for 24hours. |
| Thermal Shock Test | -30°C for 30 min and +85°C for 30 min. 5 cycles, then expose to normal temperature/humidity for 24 hours or more. |
| Vibration Test | 5 to 200 to 5Hz, swept in 10min, 4.5G at max(2mm amplitude), in X and Y directions for 2 hours each and in Z direction for 4 hours. |