



Wi-Fi 6/6E TRIPLE BAND EMBEDDED ANTENNA

Part Numbers: 2344655-1, 2344655-2

2344655-3, 2344655-4

2344655-5, 2344655-6

2344655-7, 2344655-8

FEATURES & BENEFITS

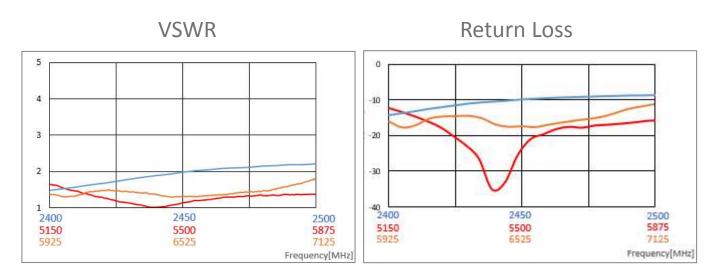
- Wi-Fi 6, also including Wi-Fi 6E new 6GHz band, Bluetooth, ZigBee
- Adhesive backing on PCB simplifies mounting within the device
- Omnidirectional coverage
- No matching components required
- Ground-plane independent design
- Different cable length and connector options available

SPECIFICATIONS (Shown as 2344655-1 : Others can vary with different cable lengths.)

| Frequency Range (MHz) | 2400-2500 | 5150-5875 | 5925-7125 | | | |
|-----------------------|--|-----------------|-----------|--|--|--|
| VSWR | < 2.7:1 | < 1.8:1 < 1.8:1 | | | | |
| Average Efficiency | 62% | 78% 75% | | | | |
| Peak Gain | 1.4dBi | 3.7dBi | 5.9dBi | | | |
| Average Gain | -2.5dB | -1.3dB | -0.9dB | | | |
| Power Handling | 10 Watt cw | | | | | |
| Feed Point Impedance | 50 ohms unbalanced | | | | | |
| Polarization | Linear | | | | | |
| Size | 33 mm x 8.0 mm x 1.0 mm | | | | | |
| Weight | < 1.2 g | | | | | |
| Mounting | Adhesive Tape | | | | | |
| Mating Connectors | MHF and MHF4-type, Refer to page 5 | | | | | |
| Cable (Coaxial) | 0.81mm and 1.13mm Dia., Refer to page 5 | | | | | |
| Operating Temperature | -40 to +85°C | | | | | |
| Storage Temperature | -40 to +85°C | | | | | |
| Hazardous Materials | A certificate of conformance is available from the product page on TE website. | | | | | |



RF DATA (Shown as 2344655-1 : Others can vary with different cable lengths.)



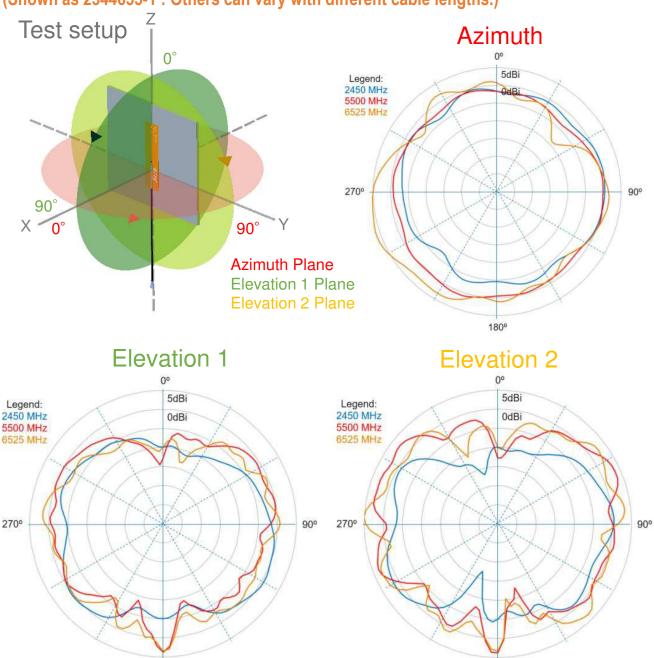


Data measured in free space and on plastic device enclosure



RADIATION PATTERN

(Shown as 2344655-1: Others can vary with different cable lengths.)



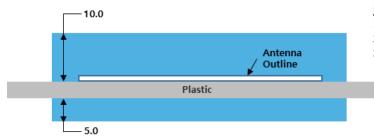
Data measured in free space and on plastic device enclosure

180°

180°

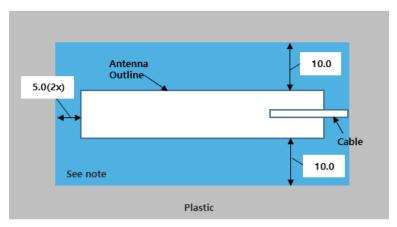


KEEP OUT AREA



NOTES

- 1. Antenna designed to be mounted on plastic cover.
- 2. Area in blue indicates Keep Out Area
- 3. Contact TE if keep out zone cannot be guaranteed.

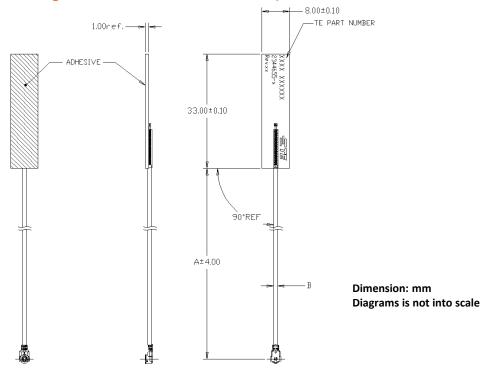


Dimension: mm

Diagrams is not into scale

DIMENSIONS

(Refer to Page5 for dimension "A" and "B")



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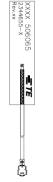
Standard Antenna Solutions



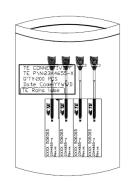
MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

| 2344655-1 | 50 | 1.97 | 1.13 | MHF-TYPE PLUG | RECEPTACLE (TE PN: 2337019-1) | |
|-----------|------------------------|------|---------------|----------------|-------------------------------|----------------|
| 2344655-2 | 100 | 3.94 | 1.13 | MHF-TYPE PLUG | RECEPTACLE (TE PN: 2337019-1) | |
| 2344655-3 | 150 | 5.91 | 1.13 | MHF-TYPE PLUG | RECEPTACLE (TE PN: 2337019-1) | |
| 2344655-4 | 200 | 7.87 | 1.13 | MHF-TYPE PLUG | RECEPTACLE (TE PN: 2337019-1) | |
| 2344655-5 | 50 | 1.97 | 0.81 | MHF4-TYPE PLUG | RECEPTACLE (TE PN: 2334884-1) | |
| 2344655-6 | 100 | 3.94 | 0.81 | MHF4-TYPE PLUG | RECEPTACLE (TE PN: 2334884-1) | |
| 2344655-7 | 150 | 5.91 | 0.81 | MHF4-TYPE PLUG | RECEPTACLE (TE PN: 2334884-1) | |
| 2344655-8 | 200 | 7.87 | 0.81 | MHF4-TYPE PLUG | RECEPTACLE (TE PN: 2334884-1) | eren Period |
| PART | MM | INCH | CABLE O.D(B), | CONNECTOR TYPE | PART NUMBER | IMAGE |
| NUMBER | BER CABLE LENGTH ("A") | | MM | (ON CABLE) | MATING COMPONENTS | |

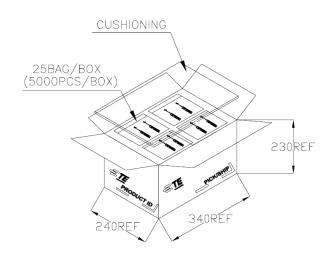
PACKAGING







200PCS/BAG DESICCANT:1PCS/BAG



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