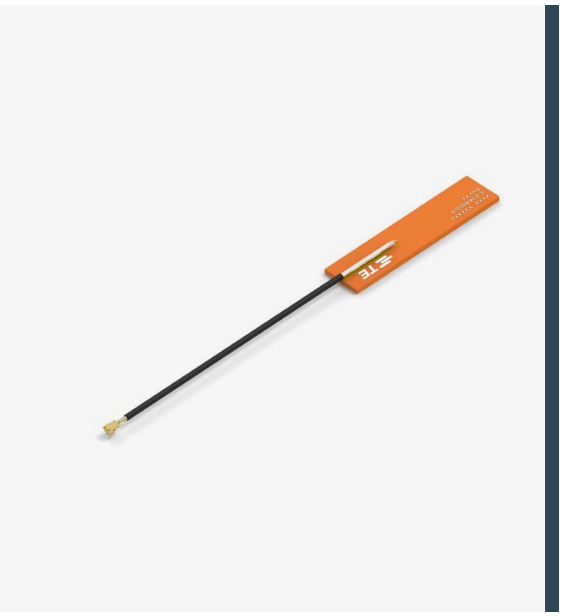


WI-FI 6/6E TRIPLE BAND EMBEDDED ANTENNA

FEATURES & BENEFITS

- Wi-Fi 6 and Wi-Fi 6E 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

PART NUMBERS

PART NUMBER	CABLE LENGTH(A)		CABLE O.D(B), MM	CONNECTOR TYPE (ON CABLE)
	MM	INCH		
2344655-1	50	1.97	1.13	MHF-TYPE PLUG
2344655-2	100	3.94	1.13	MHF-TYPE PLUG
2344655-3	150	5.91	1.13	MHF-TYPE PLUG
2344655-4	200	7.87	1.13	MHF-TYPE PLUG
2344655-5	50	1.97	0.81	MHF4-TYPE PLUG
2344655-6	100	3.94	0.81	MHF4-TYPE PLUG
2344655-7	150	5.91	0.81	MHF4-TYPE PLUG
2344655-8	200	7.87	0.81	MHF4-TYPE PLUG

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SPECIFICATIONS

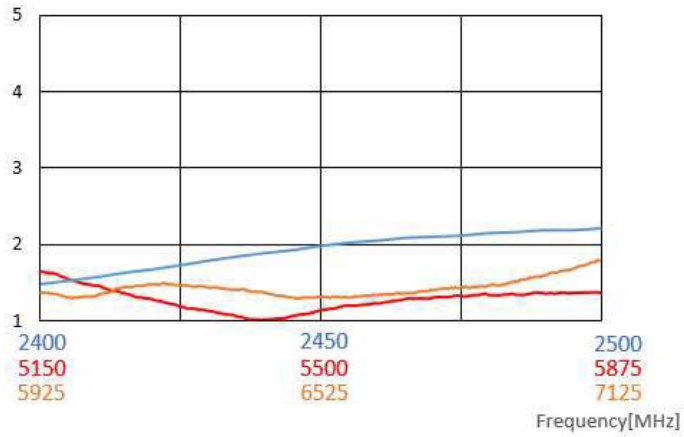
(Shown as 2344655-1 : Others can vary with different cable lengths.)

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	1.4 dBi	3.7 dBi	5.9 dBi
Average Gain	-2.5 dB	-1.3 dB	-0.9 dB
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.)

VSWR



Return Loss



Efficiency



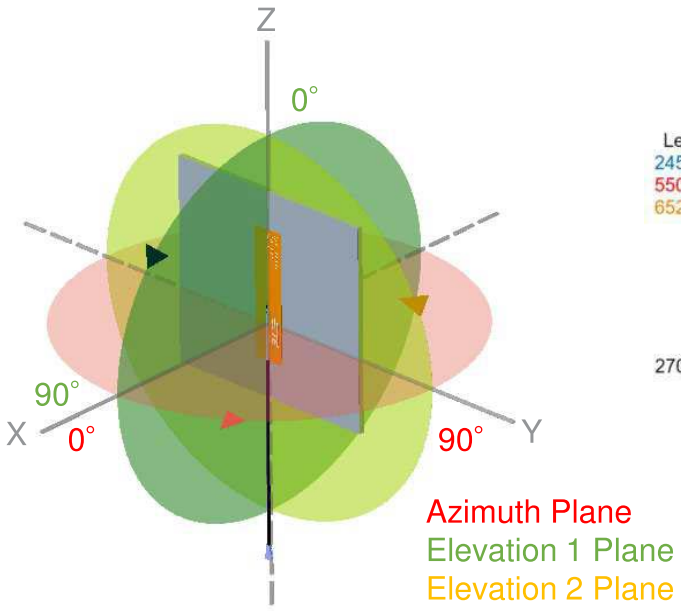
Data measured in free space and on plastic device enclosure

Downloaded from Arrow.com.

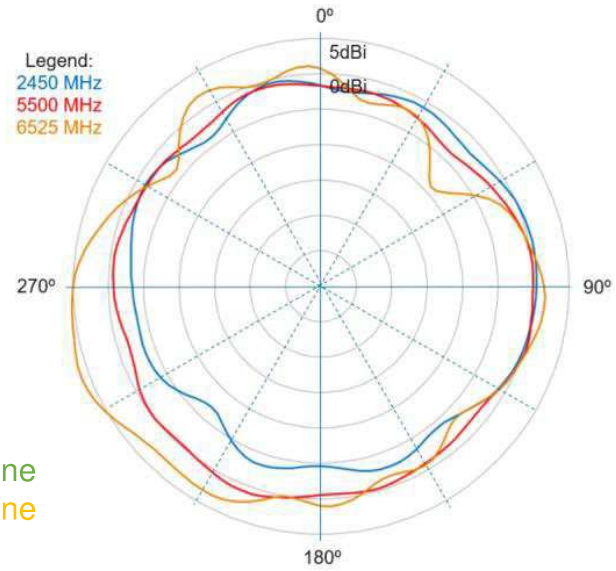
RADIATION PATTERN

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

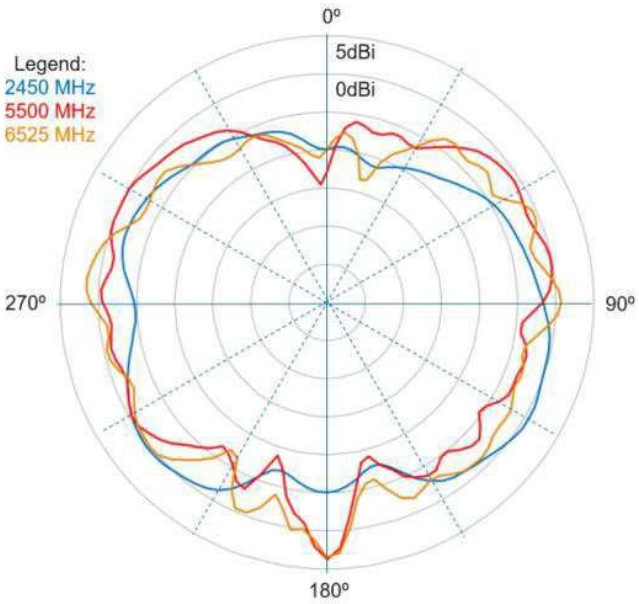
Test setup



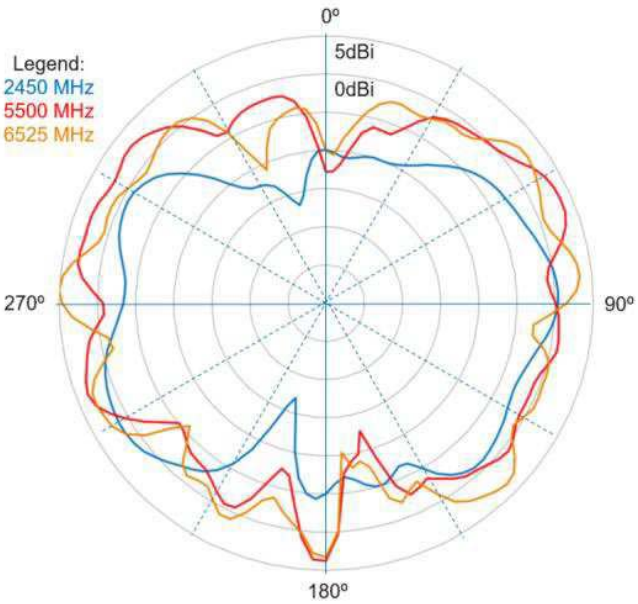
Azimuth



Elevation



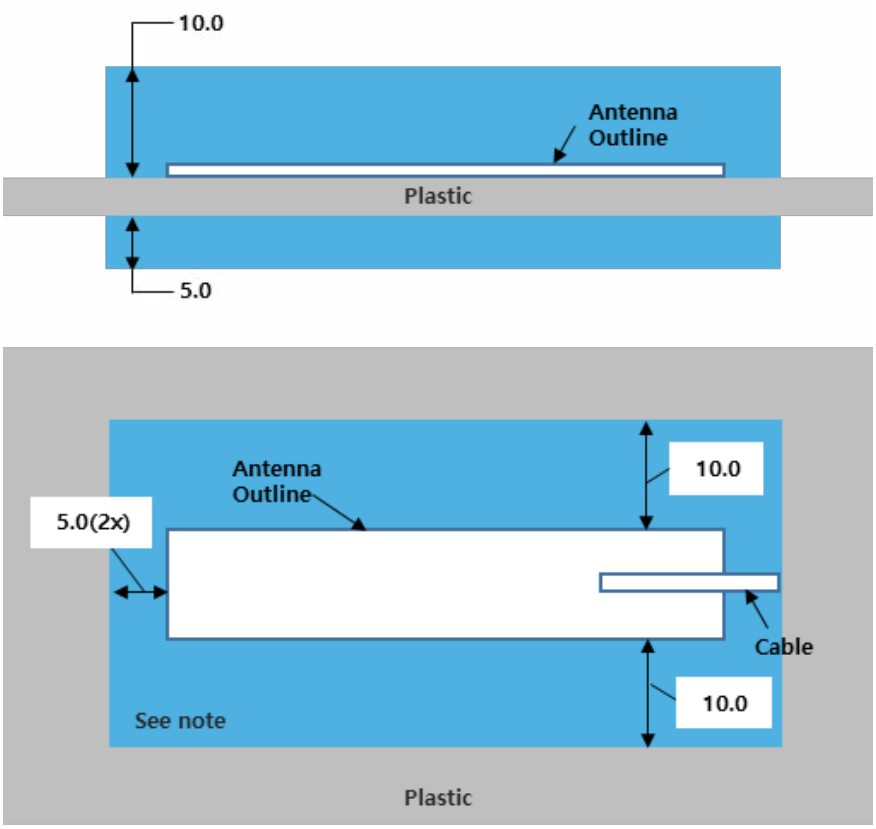
Elevation 2



Data measured in free space and on plastic device enclosure

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KEEP OUT AREA



NOTES

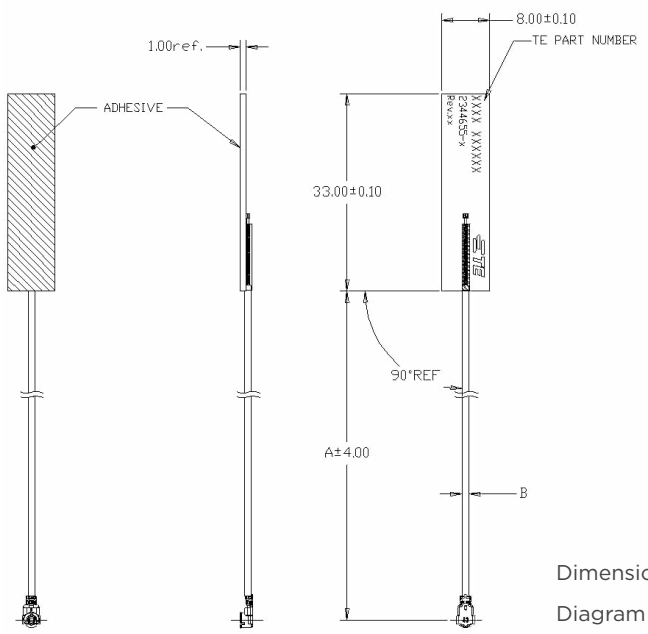
1. Antenna designed to be mounted on plastic cover.
2. Area in blue indicates Keep Out Area
3. Contact TE if keep out zone cannot be guaranteed.

Dimension: mm

Diagram is not to scale

DIMENSIONS

(REFER TO PAGE5 FOR DIMENSION "A" AND "B")



Dimension: mm

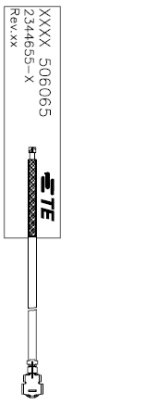
Diagram is not to scale

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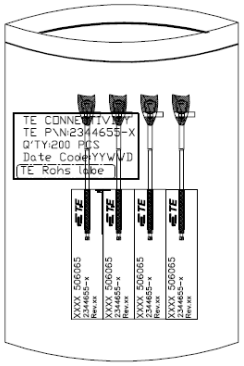
MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

PART NUMBER	CABLE LENGTH(A)		CABLE O.D(B), MM	CONNECTOR TYPE (ON CABLE)	MATING COMPONENTS	
	MM	INCH			PART NUMBER	IMAGE
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)	

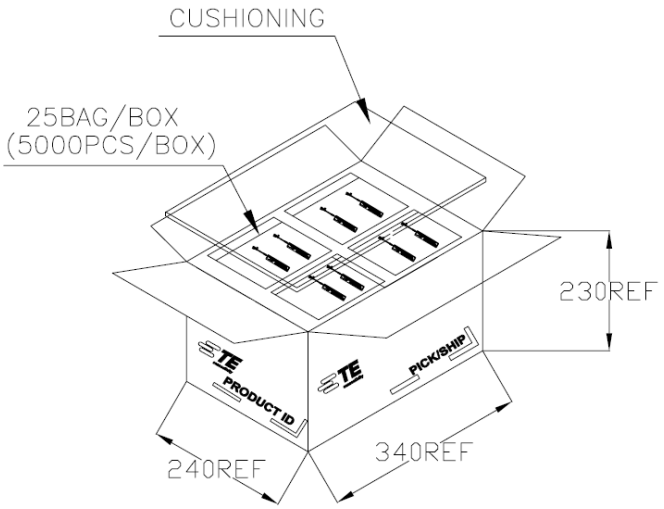
PACKAGING



50PCS/BUNCH



200PCS/BAG
DESICCANT:1PCS/BAG



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12-24

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