



Wi-Fi 6/ 6E TRIPLE BAND EMBEDDED ANTENNA

Part Numbers: 2108857-1, 2108857-2

2108857-3, 2108857-4

2108857-5, 2118857-6

2108857-7, 2108857-8

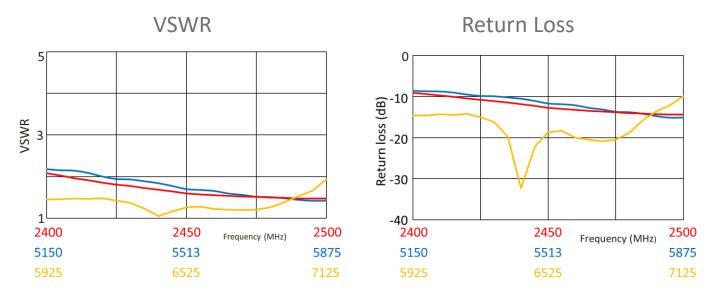
FEATURES & BENEFITS

- WiFi 6, also including WiFi 6E new 6GHz band, Bluetooth, ZigBee
- Adhesive backing on the PCB simplifies mounting within the device
- Global Frequency coverage
- PCB antenna assembly
- Wide selection of micro-coaxial cable lengths

SPECIFICATIONS (Shown as 2108857-1 : Others can vary with different cable lengths.)

•		•	,
Frequency Range (MHz)	2400-2500	5150-5875	5925-7125
VSWR	< 2.0:1	< 2.2:1	< 2.0:1
Average Efficiency	71%	71%	77%
Peak Gain	2.5dBi	4.6dBi	5.0dBi
Average Gain	-1.5dBi	-1.5dBi	-1.2dBi
Power Handling	10 Watt cw		
Feed Point Impedance	50 ohms unbalanced		
Polarization	Linear		
Size	30.0 mm x 7.0 mm x 0.78 mm		
Weight	< 0.8 g		
Mounting	Adhesive Tape		
Mating Connectors	MHF-type receptacle (TE PN 2337019-1), MHF4-type receptacle (TE PN: 2344884-1)		
Cable	Coaxial Cable : 1.13mm Dia.		
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 2108857-1 : Others can vary with different cable lengths.)



100 (%) 50 50

Efficiency

Data measured in free space and on plastic device enclosure

2443

5513 Frequency(MHz)

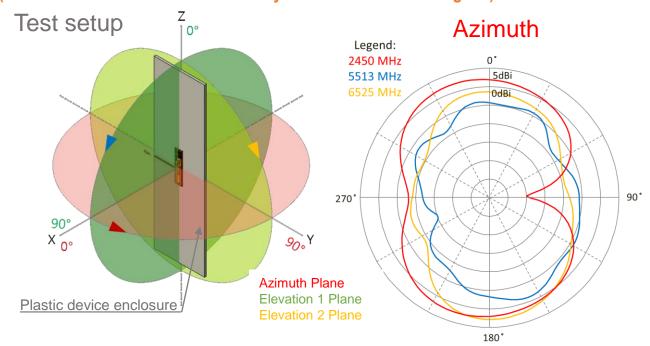
25005875

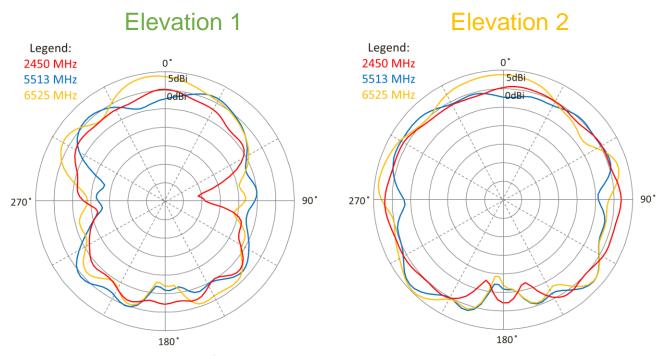
2400

5150

RADIATION PATTERN

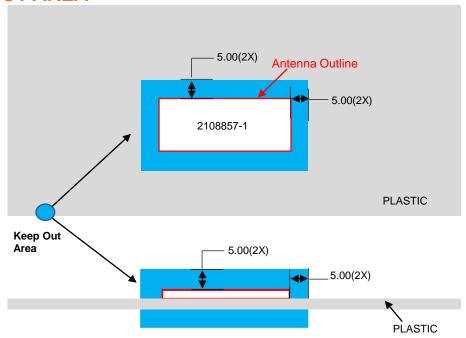
(Shown as 2108857-1: Others can vary with different cable lengths.)





Data measured in free space and on plastic device enclosure

KEEP OUT AREA

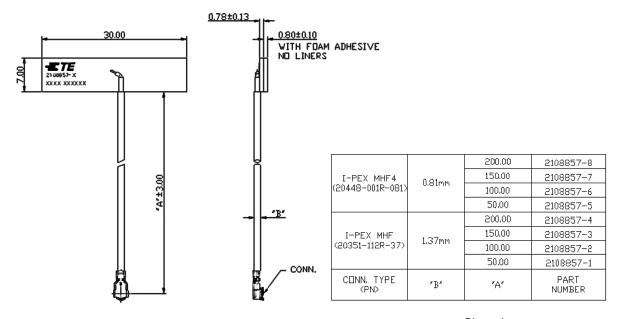


NOTES:1. Antenna designed to be mounted on plastic cover.

- 2. Area in blue above indicates Keep Out Area.
- 3. For more information please call TE.

Dimensions: mm Diagram is not to scale

DIMENSIONS

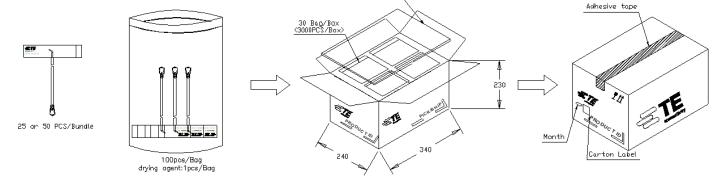


Dimensions: mm Diagram is not to scale

MATING COMPONENTS

	RECEPTACLE (TE PN: 2337019-1)	MHF-TYPE PLUG	1.968	50.0	2108857-1
	RECEPTACLE (TE PN: 2337019-1)	MHF-TYPE PLUG	3.937	100.0	2108857-2
	RECEPTACLE (TE PN: 2337019-1)	MHF-TYPE PLUG	5.905	150.0	2108857-3
	RECEPTACLE (TE PN: 2337019-1)	MHF-TYPE PLUG	7.784	200.0	2108857-4
	RECEPTACLE (TE PN: 2334884-1)	MHF4-TYPE PLUG	1.968	50.0	2108857-5
	RECEPTACLE (TE PN: 2334884-1)	MHF4-TYPE PLUG	3.937	100.0	2108857-6
	RECEPTACLE (TE PN: 2334884-1)	MHF4-TYPE PLUG	5.905	150.0	2108857-7
	RECEPTACLE (TE PN: 2334884-1)	MHF4-TYPE PLUG	7.784	200.0	2108857-8
IMAGE	PART NUMBER	CONNECTOR TYPE	INCH	MM	PART
MATING COMPONENTS		(ON CABLE)	ENGTH(A)	CABLE LI	NUMBER

PACKAGING



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Wi-Fi 6/6E TRIPLE BAND EMBEDDED ANTENNA

Standard Antenna Solutions

TE TECHNICAL SUPPORT CENTER

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