



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

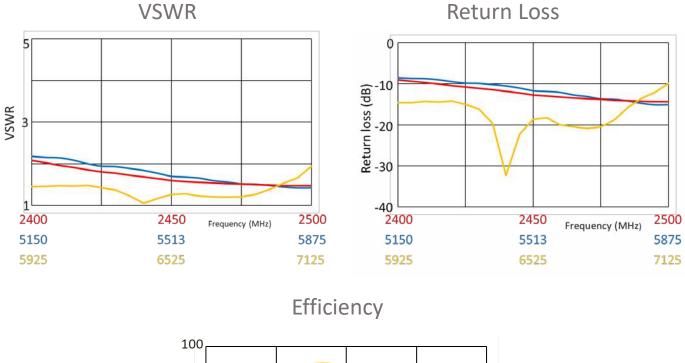
- WiFi 6, also including WiFi 6E new 6GHz band, Bluetooth, ZigBee
- Adhesive backing on the PCB simplifies mounting within the device
- Global Frequency coverage
- PCB antenna assembly
- Wide selection of micro-coaxial cable lengths

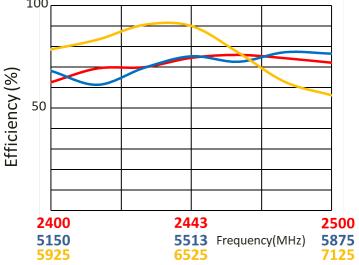
Frequency Range (MHz)	2400-2500	5150-5875	5925-7125
VSWR	< 2.0:1	< 2.2:1	< 2.0:1
Average Efficiency	71%	71%	77%
Peak Gain	2.5dBi	4.6dBi	5.0dBi
Average Gain	-1.5dBi	-1.5dBi	-1.2dBi
Power Handling	10 Watt cw		•
Feed Point Impedance	50 ohms unbalanced		
Polarization	Linear		
Size	30.0 mm x 7.0 mm x 0.78 mm		
Weight	< 0.8 g		
Mounting	Adhesive Ta	ре	
Mating Connectors	MHF and MH Refer to page	2 I	
Cable (Coaxial)	0.81mm and 1.37mm Dia., Refer to page 5		
Operating Temperature	-40 to +85°C		
Storage Temperature	-40 to +85°C		
Hazardous Materials		of conformance is av on TE website.	ailable from the

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



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



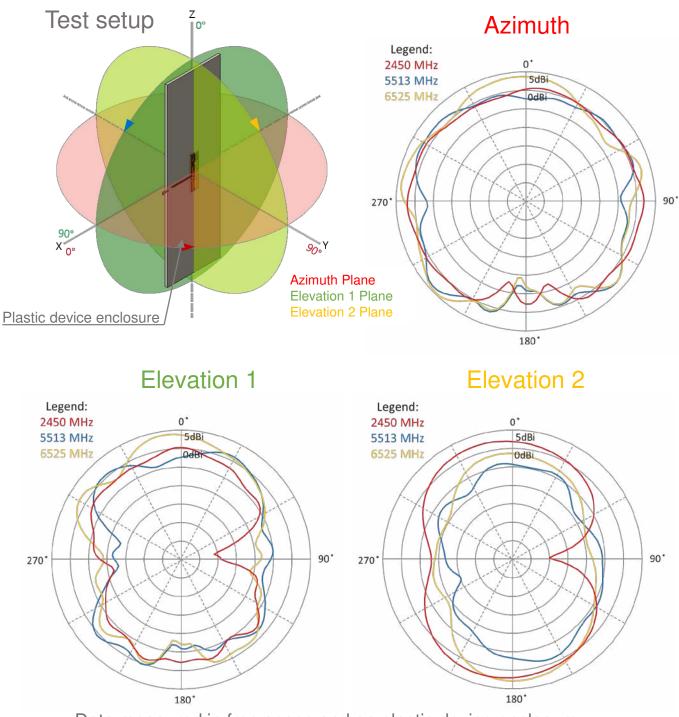


Data measured in free space and on plastic device enclosure



RADIATION PATTERN

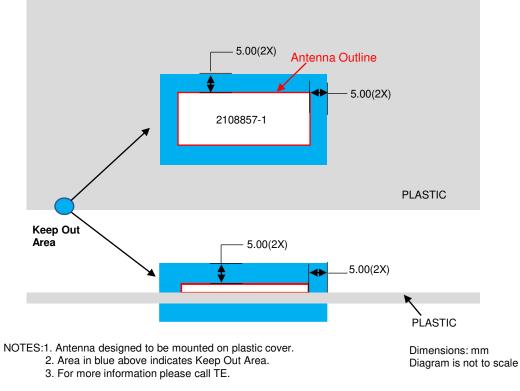
(Shown as 2108857-1 : Others can vary with different cable lengths.)



Data measured in free space and on plastic device enclosure

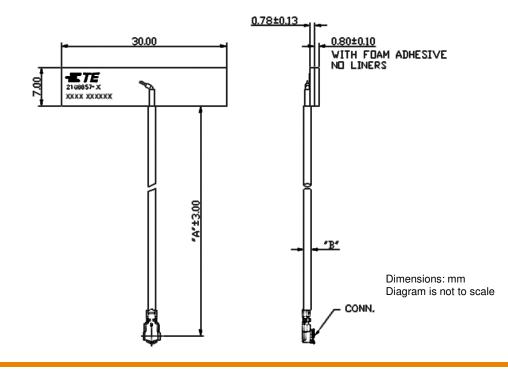


KEEP OUT AREA



DIMENSIONS

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

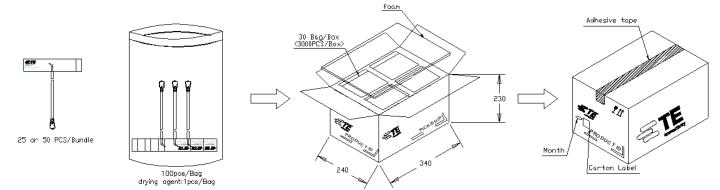




MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

NUMBERS	CABLE LENGTH(A)		MM	(ON CABLE)	MATING COMPONEN	ITS
PART	ММ	INCH	CABLE O.D(B),	CONNECTOR TYPE	PART NUMBER	IMAGE
2108857-8	200.0	7.784	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2108857-7	150.0	5.905	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2108857-6	100.0	3.937	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2108857-5	50.0	1.968	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2108857-4	200.0	7.784	1.37	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2108857-3	150.0	5.905	1.37	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	$\mathbf{\cdot}$
2108857-2	100.0	3.937	1.37	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2108857-1	50.0	1.968	1.37	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	

PACKAGING





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