

# Wi-Fi 6/ 6E TRIPLE BAND EMBEDDED ANTENNA

# Part Numbers: 2118909-1, 2118909-2 2118909-4, 2118909-5 2118909-6, 2118909-8 1-2118909-1/-2/-3/-4/-5/-6/-7/-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
- Different cable length and connector options available

Frequency Range (MHz)	2400-2500	5150-5875	5925-7125
VSWR	< 1.9:1	< 1.8:1	< 2.2:1
Average Efficiency	80%	69%	66%
Peak Gain	4.3dBi	4.3dBi	5.0dBi
Average Gain	-1.0dBi	-1.6dBi	-1.9dBi
Power Handling	10 Watt cw		
Feed Point Impedance	50 ohms unb	alanced	
Polarization	Linear		
Size	40.0 mm x 8.	0 mm x 1.0 mm	
Weight	< 2.3 g		
Mounting	Adhesive Tap	be	
Mating Connectors	MHF and MH Refer to page		
Cable (Coaxial)	1.13mm 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 2118909-1 : Others can vary with different cable lengths.)



#### RF DATA (Shown as 2118909-1 : Others can vary with different cable lengths.)



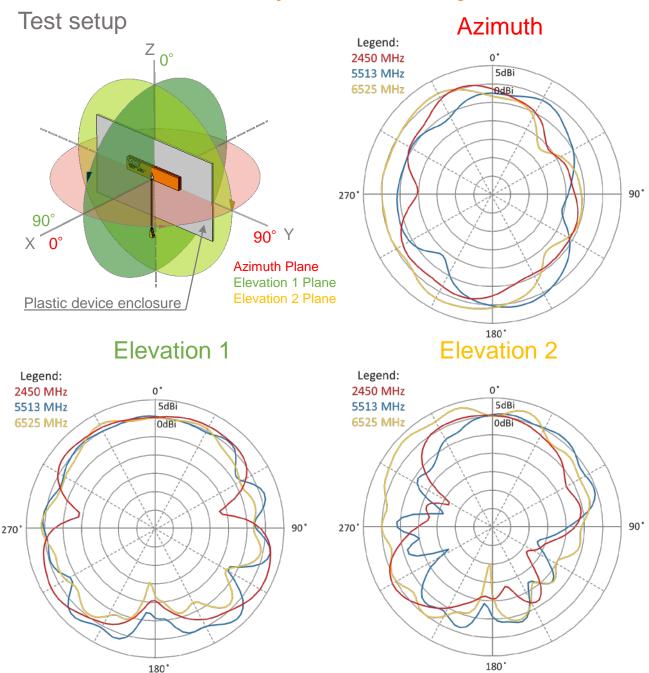
Data measured in free space and on plastic device enclosure

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## **RADIATION PATTERN**

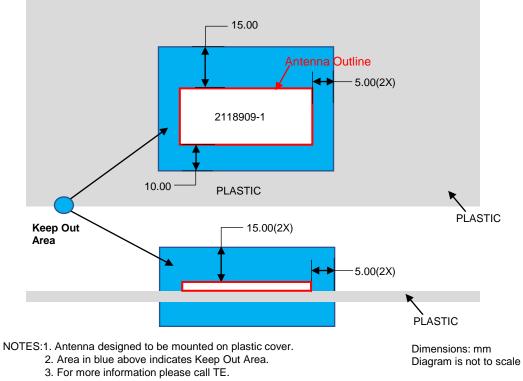
(Shown as 2118909-1 : Others can vary with different cable lengths.)



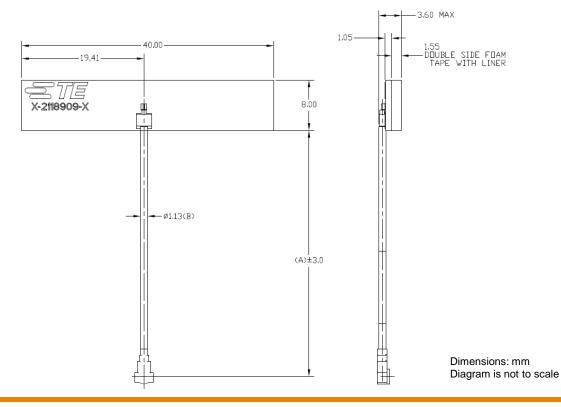
Data measured in free space and on plastic device enclosure



## **KEEP OUT AREA**



#### DIMENSIONS



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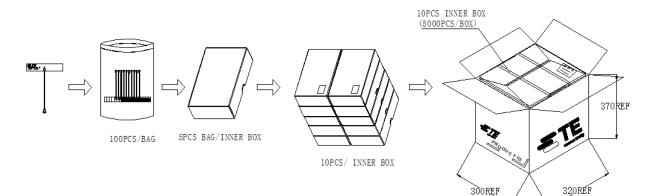


### MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

2118909-1	120.0	3.048	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118909-2	273.0	6.934	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118909-8	64.15	1.629	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118909-4	120.0	3.048	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2118909-5	225.0	5.715	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2118909-6	375.0	9.525	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
PART	MM	INCH	MM	CONNECTOR TYPE	PART NUMBER	IMAGE
NUMBER	CABLE LE	NGTH(A)	CABLE O.D(B)	(ON CABLE)	MATING COMPONEN	TS

NUMBER	CABLE LE	ENGTH(A)	CABLE O.D(B)	(ON CABLE)	MATING COMPONEN	TS
PART	MM	INCH	MM	CONNECTOR TYPE	PART NUMBER	IMAGE
1-2118909-8	200.0	7.784	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	-
1-2118909-7	150.0	5.905	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2118909-6	100.0	3.937	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2118909-5	50.0	1.968	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2118909-4	200.0	7.784	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
1-2118909-3	150.0	5.905	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
1-2118909-2	100.0	3.937	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
1-2118909-1	50.0	1.968	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	

# PACKAGING





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