

4G/3G/2G, NB-IoT, Cat-M, GNSS WORLD BAND ANTENNA

Part Numbers: 2118879-1, 2118879-2, 2118879-4, 2118879-6

FEATURES & BENEFITS

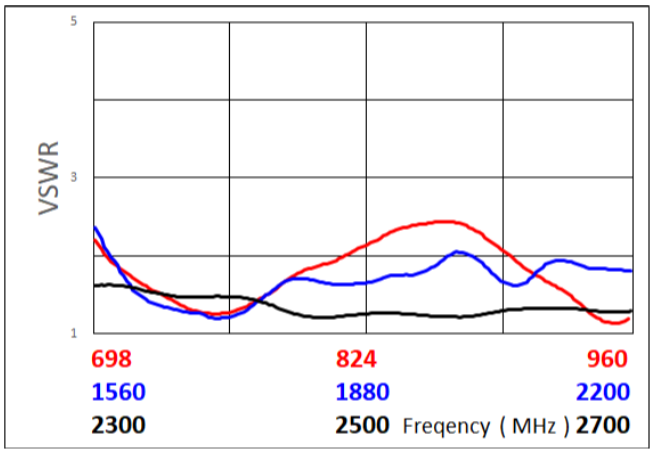
- RG-316 / RG-174 cable type with straight or right angle SMA connector
- Omnidirectional coverage
- Wide Band coverage for 2G and 3G, 4G, NB-IoT, Cat-M and GNSS coverage
- No matching components required
- Bandwidth and performance are not dependent on ground plane size

SPECIFICATIONS

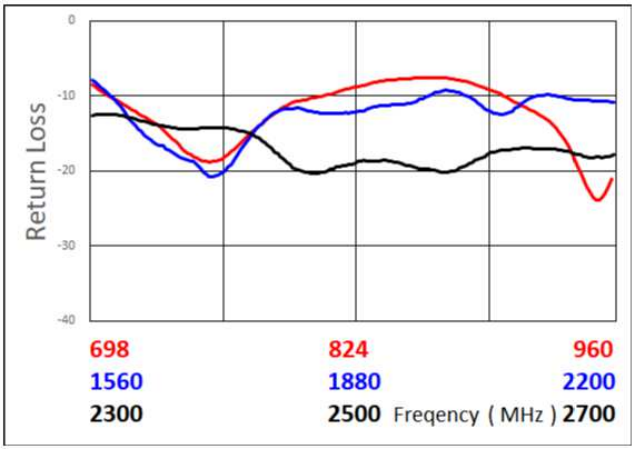
Frequency Range (MHz)	698-960	1560-2200	2300-2700
VSWR	< 2.5:1	< 2.0:1	< 1.6:1
Average Efficiency	60%	67%	70%
Peak Gain	2.0dBi	3.9dBi	3.9dBi
Average Gain	-2.2dBi	-1.7dBi	-1.5dBi
Power Handling	3 Watt cw		
Feed Point Impedance	50 ohms unbalanced		
Polarization	Linear		
Size	110.0 mm x 14.0 mm x 1.6 mm		
Weight	< 16.1 g		
Mounting	Adhesive type		
Mating Connectors	5-1814400-2 (Right-angle) 5-1814832-2 (Straight)		
Cable	Coaxial Cable : RG-316_2.5mm Dia. RG-174_2.79mm Dia.		
Operating Temperature	-40 to +85°C		
Storage Temperature	-40 to +85°C		
Packaging Specification	Bag & Box		
Hazardous Materials	A certificate of conformance is available from the product page on TE website.		

RF DATA

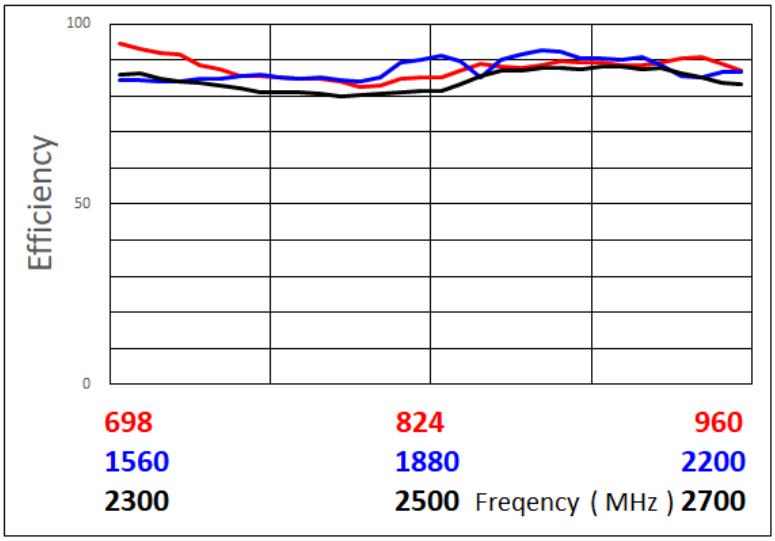
VSWR



Return Loss



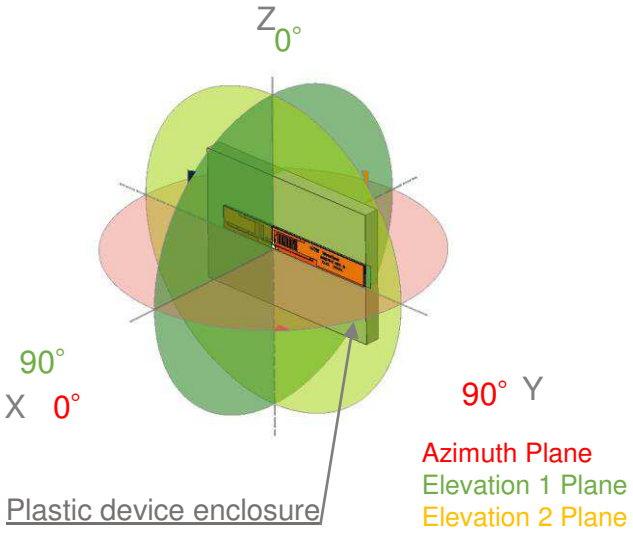
Efficiency



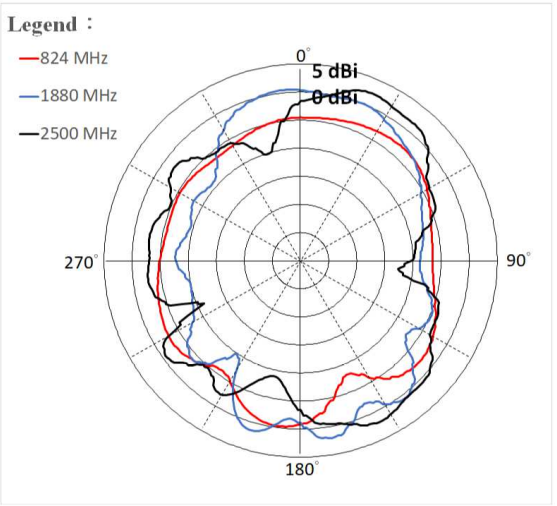
Data measured in free space and on plastic device enclosure

RADIATION PATTERN

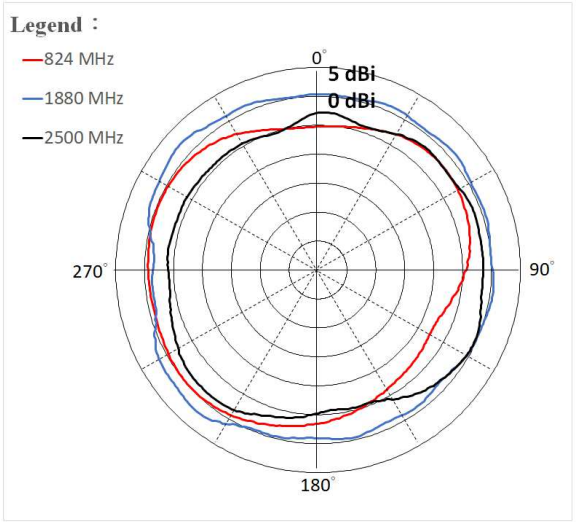
Test setup



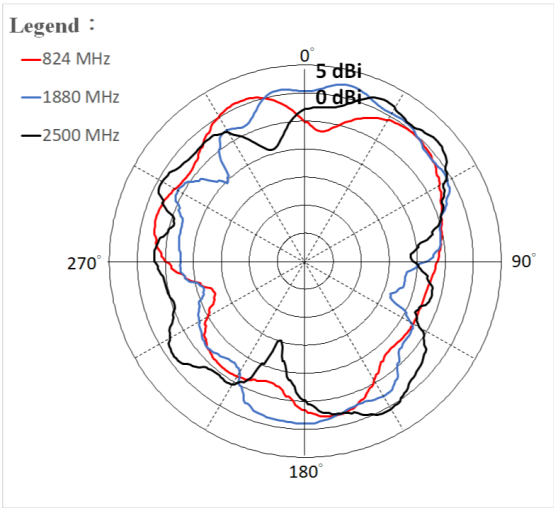
Azimuth



Elevation 1

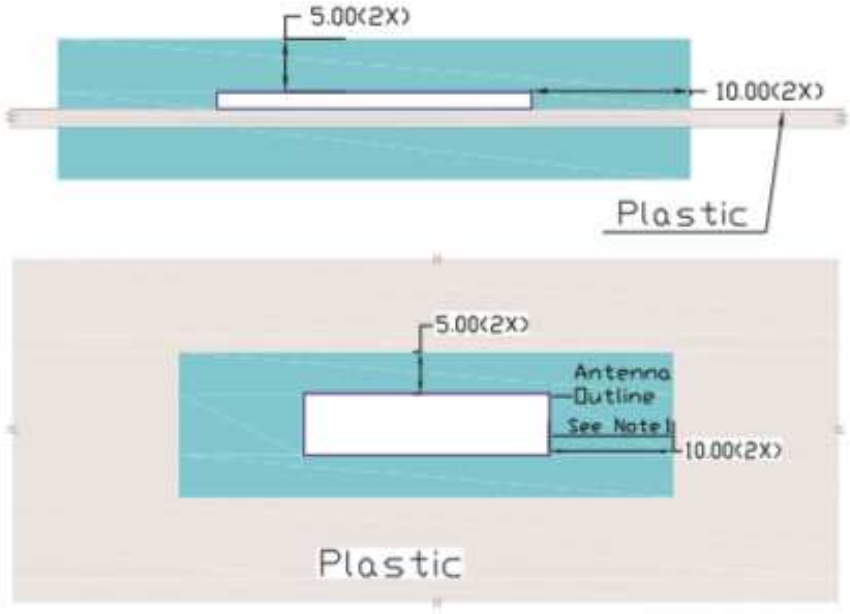


Elevation 2



Data measured in free space and on plastic device enclosure

MOUNTING GUIDE AND KEEP OUT AREA



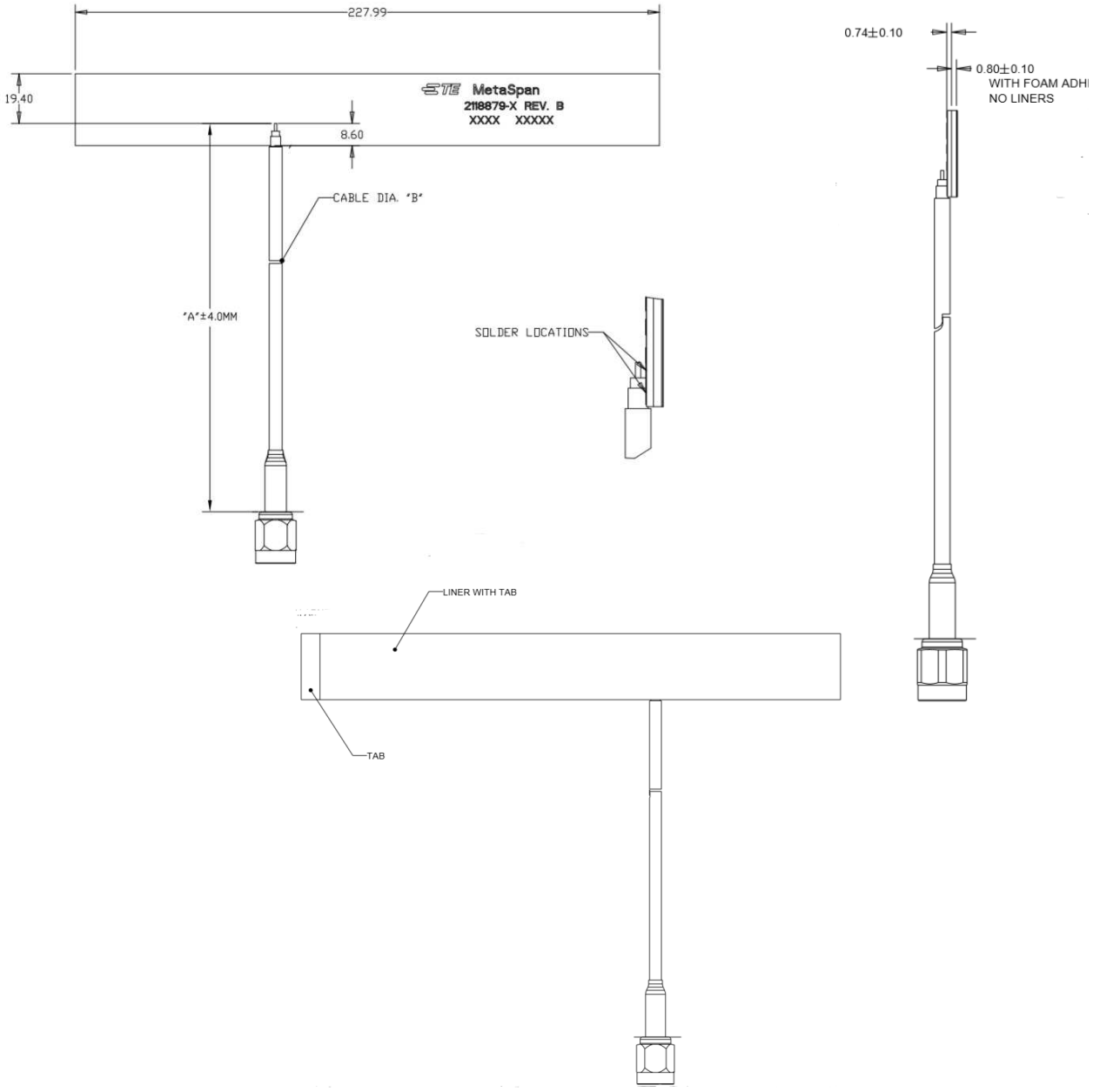
Dimensions: mm
Diagram is not to scale

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.

Data measured in free space and on plastic device enclosure

DIMENSIONS

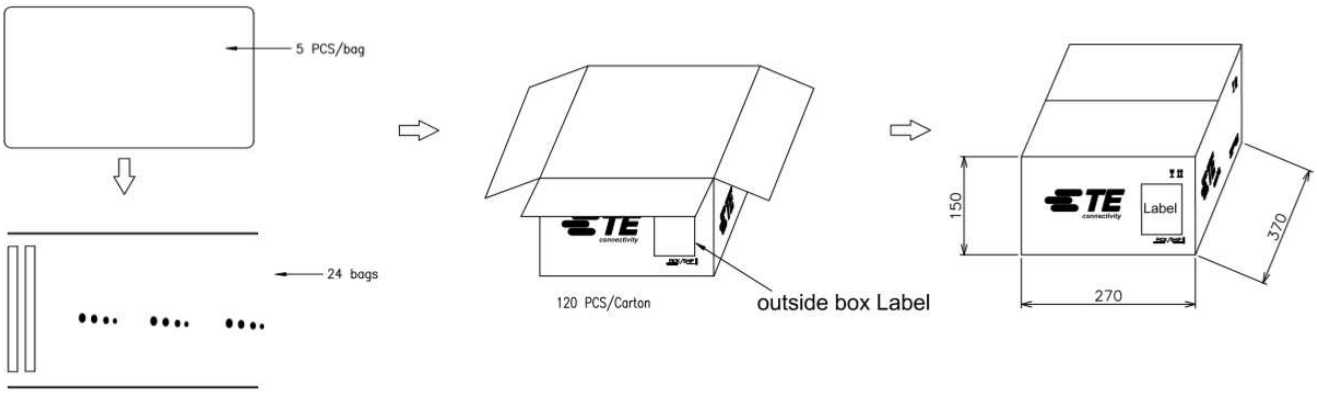


PART NUMBER	INCH	MM	CONNECTOR TYPE	CABLE TYPE	Dia. B
	CABLE LENGTH A				
2118879-1	10	254	RIGHT ANGLE	RG-316	2.5
2118879-2	18	457.2	RIGHT ANGLE	RG-316	2.5
2118879-4	5.12	130	STRAIGHT	RG-174	2.79
2118879-6	18	457.2	STRAIGHT	RG-174	2.79

MATING COMPONENTS

PART NUMBER	CONNECTOR TYPE	RF CONNECTOR	SMA JACK TO MICRO COAX CABLE ASSEMBLIES
		MATING COMPONENTS	
2118879-1/ -2/ -4/ -6	SMA	5-1814400-2: SMA JACK, RIGHT ANGLE  5-1814832-2: SMA JACK, VERTICAL 	2016682-2: SMA GEN1 (MHF type),1.13 cable, Length=100mm 2016682-4: SMA GEN1 (MHF type),1.13 cable, Length=200mm  2016694-2: SMA GEN4 (MHF4 type),1.13 cable, Length=100mm 2016694-4: SMA GEN4 (MHF4 type),1.13 cable, Length=200mm 

PACKAGING



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