



1559-1610, 2400-2500, 5150-5875 & 5925-7125 MHz GNSS / Wi-Fi 6E BAND CABLED ANTENNA

Part Number: X-2108937-X

(see page 7 for details)

FEATURES & BENEFITS

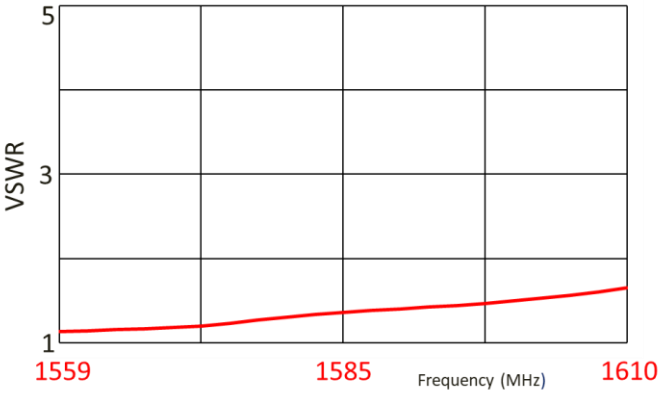
- GNSS, also including Wi-Fi 6E **new 6GHz** band, Bluetooth, ZigBee
- Adhesive backing on the FPC simplifies mounting within the device
- Different cable length and connector options available

SPECIFICATIONS

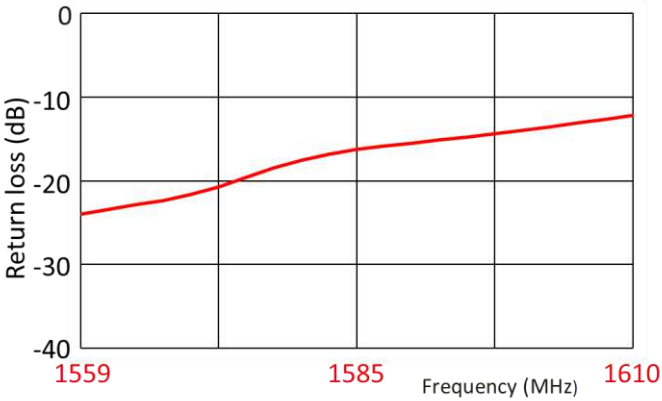
Frequency Range (MHz)	1559 - 1610	2400 - 2500	5150 - 5875	5925 - 7125
VSWR	< 1.7:1	< 1.6:1	< 1.8:1	< 1.4:1
Average Efficiency	61 %	59 %	49 %	48 %
Peak Gain	1.2 dBi	0.4 dBi	0.6 dBi	4.2 dBi
Average Gain	-2.2 dBi	-2.3 dBi	-3.1 dBi	-3.3 dBi
Power Handling	10 Watt cw			
Feed Point Impedance	50 ohms unbalanced			
Polarization	Linear			
Size	50.0 mm x 15.0 mm x 0.15mm			
Weight	< 1.05 g			
Mounting	Adhesive Tape			
Mating Connector	MHF-type receptacle (TE PN 2337019-1)			
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

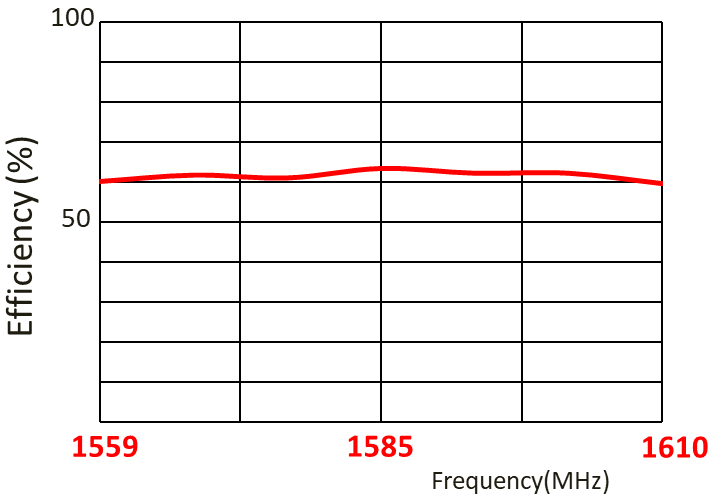
VSWR



Return Loss



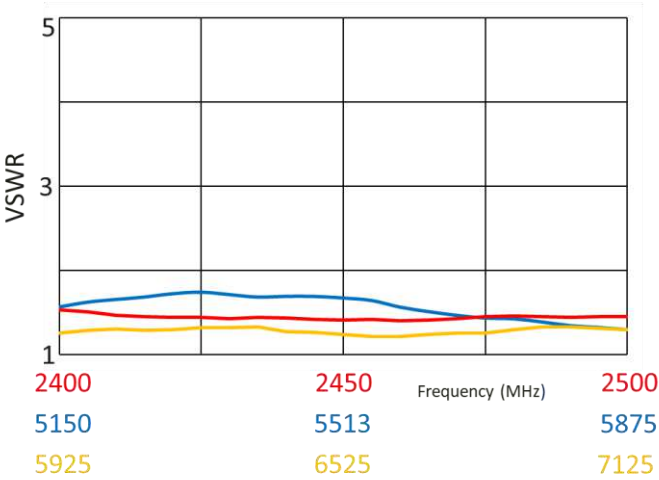
Efficiency



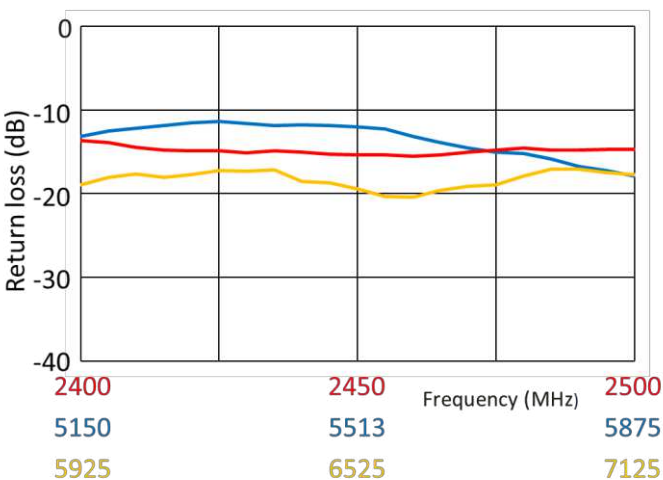
Data measured in free space and on plastic device enclosure

RF DATA

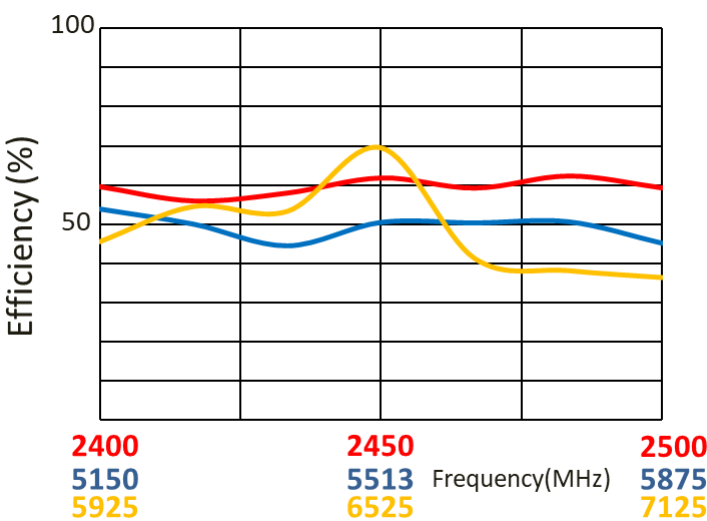
VSWR



Return Loss



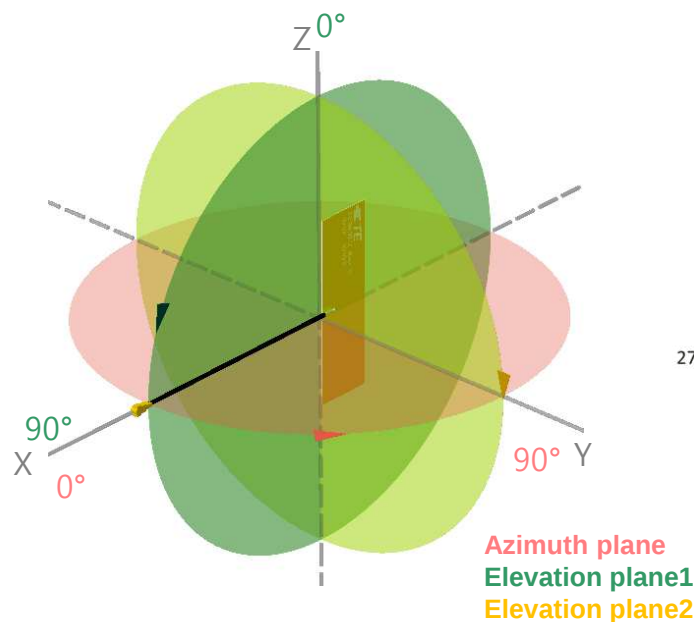
Efficiency



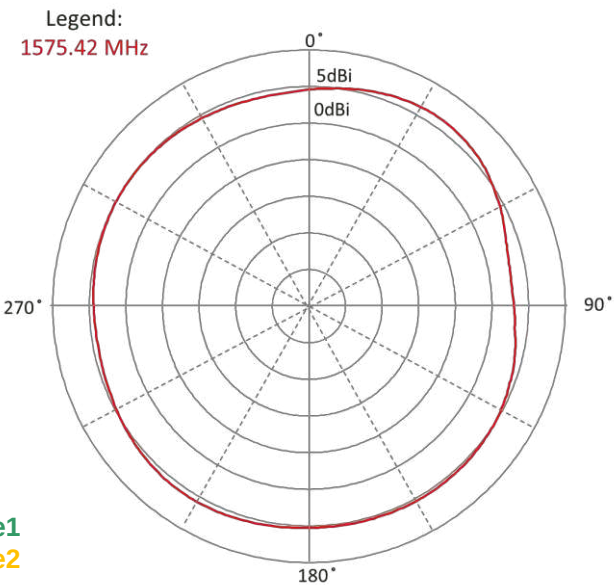
Data measured in free space and on plastic device enclosure

RADIATION PATTERN

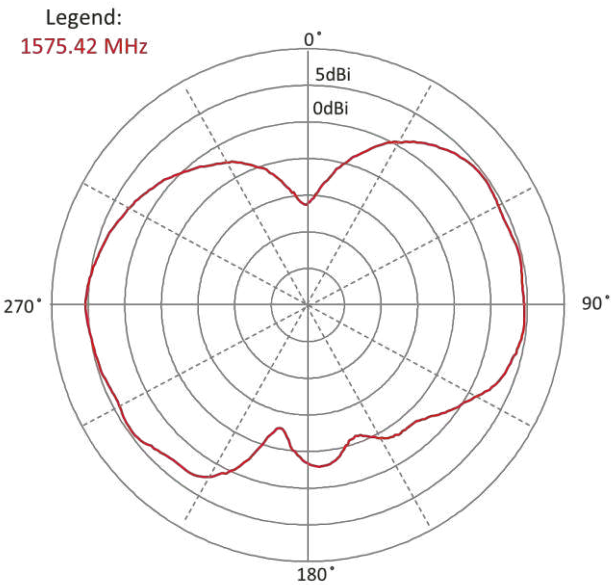
Test setup



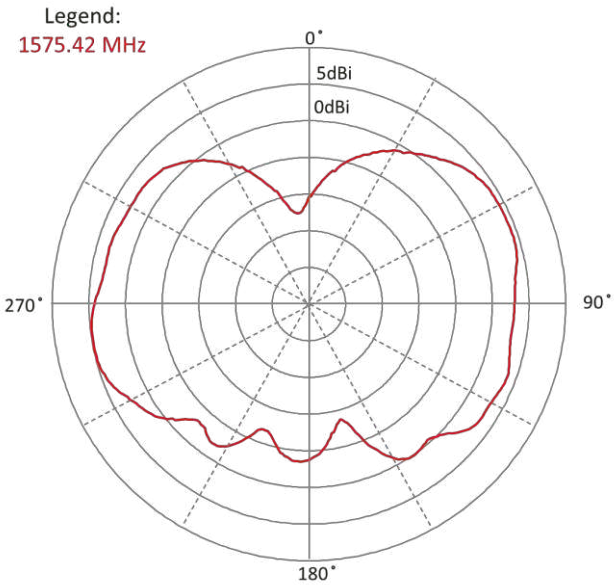
Azimuth



Elevation 1



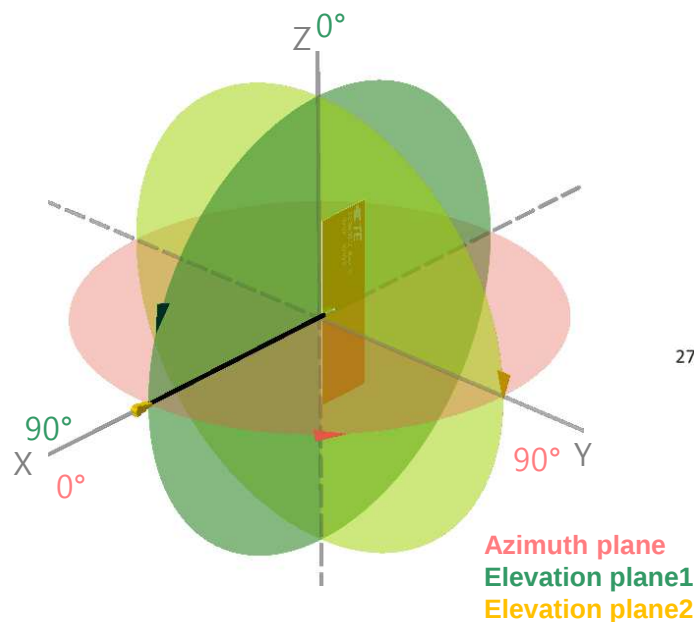
Elevation 2



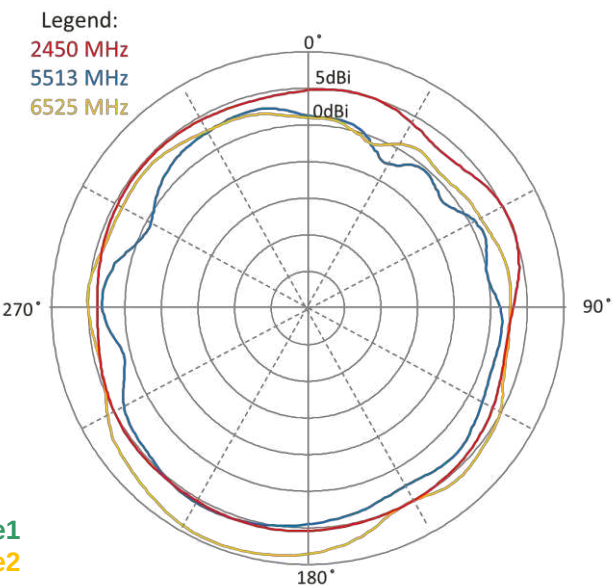
Data measured in free space and on plastic device enclosure

RADIATION PATTERN

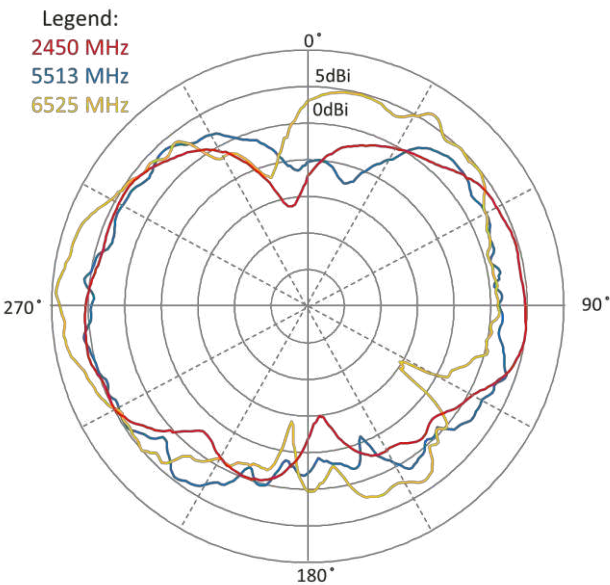
Test setup



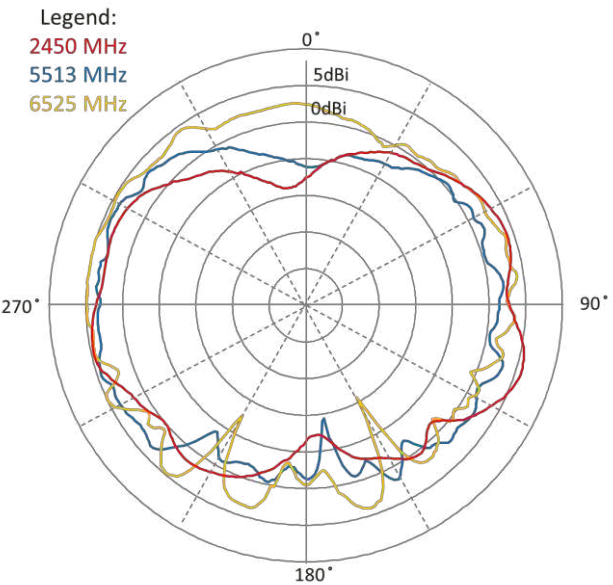
Azimuth



Elevation 1

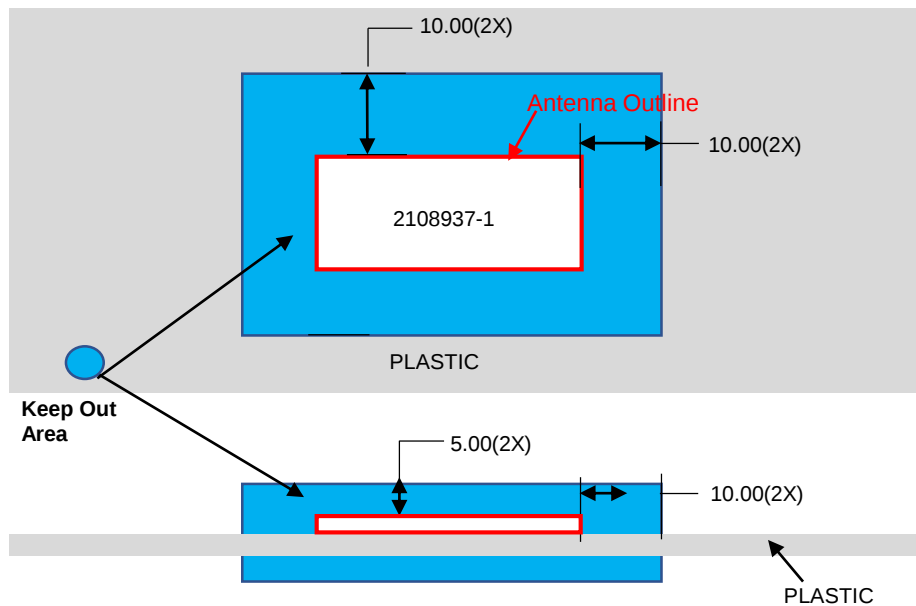


Elevation 2



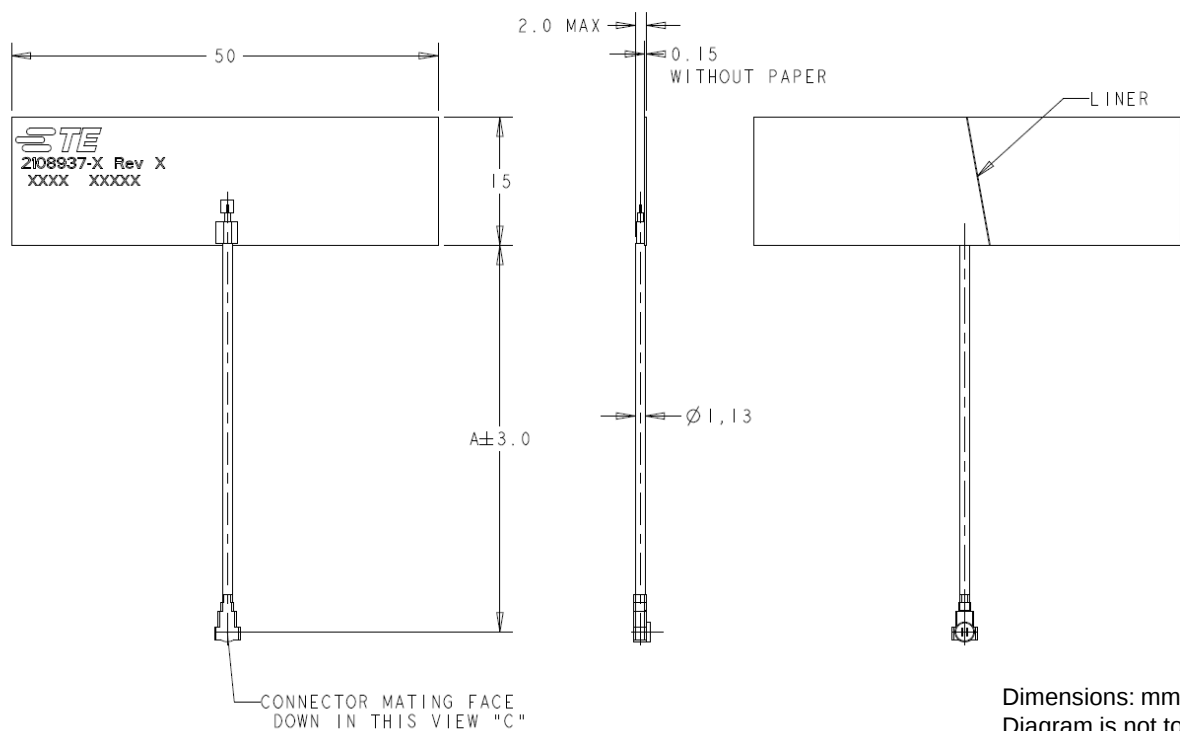
Data measured in free space and on plastic device enclosure

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

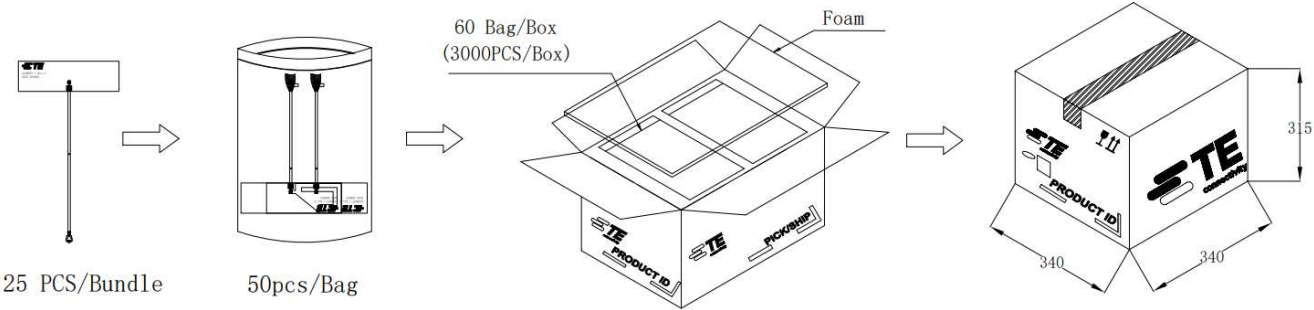


Dimensions: mm
Diagram is not to scale

MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

2108937-1	50.0	1.968	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2108937-2	100.0	3.937	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2108937-3	150.0	5.905	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2108937-4	200.0	7.784	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2108937-5	250.0	9.84	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2108937-6	300.0	11.81	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2108937-7	50.0	1.968	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2108937-8	100.0	3.937	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2108937-9	150.0	5.905	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2108937-2	200.0	7.784	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2108937-3	250.0	9.84	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2108937-4	300.0	11.81	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
PART	MM	INCH	CABLE O.D, MM	CONNECTOR TYPE	PART NUMBER	IMAGE
NUMBER	CABLE LENGTH(A)			(ON CABLE)	MATING COMPONENTS	

PACKAGING



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