

Part NO. SS-BDSML34522P871	Type Multi-frequency Antenna
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Electrical Characteristics

Antenna

1	Frequency Range	GPS-L1	BDS-B1	L	S
2	Band With (MHz)	± 1.023	± 2.046	± 4.08	± 4.08
3	V.S.W.R	$1.5 <$	$1.5 <$	$1.5 <$	$1.5 <$
4	Gain@Zenith	3dBi	2.5dBi	5dBi	5.5dBi
5	Polarization	RHCP	RHCP	LHCP	RHCP
6	Axial Ratio@Zenith	$< 2\text{dB}$	$< 2\text{dB}$	$< 2\text{dB}$	$< 3\text{dB}$
7	Impedance	$50\ \Omega$			
8	Transceiver Isolation@L	$< -20\text{dB}$	$< -20\text{dB}$		$< -30\text{dB}$

Material

No	Part Name	Spec
1	Antenna	Dielectric Ceramics
2	Ground	1.0mm, FR-4
3	Cable	RG-178
4	Connector	MCX-JW

Environment Condition

1	Working Temp	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$, 10%~95% RH
2	Storage Temp	$-45^{\circ}\text{C} \sim +80^{\circ}\text{C}$, 10%~95% RH

Dimensions

