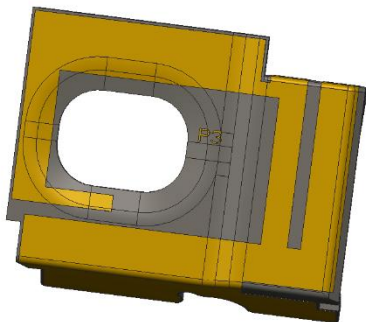




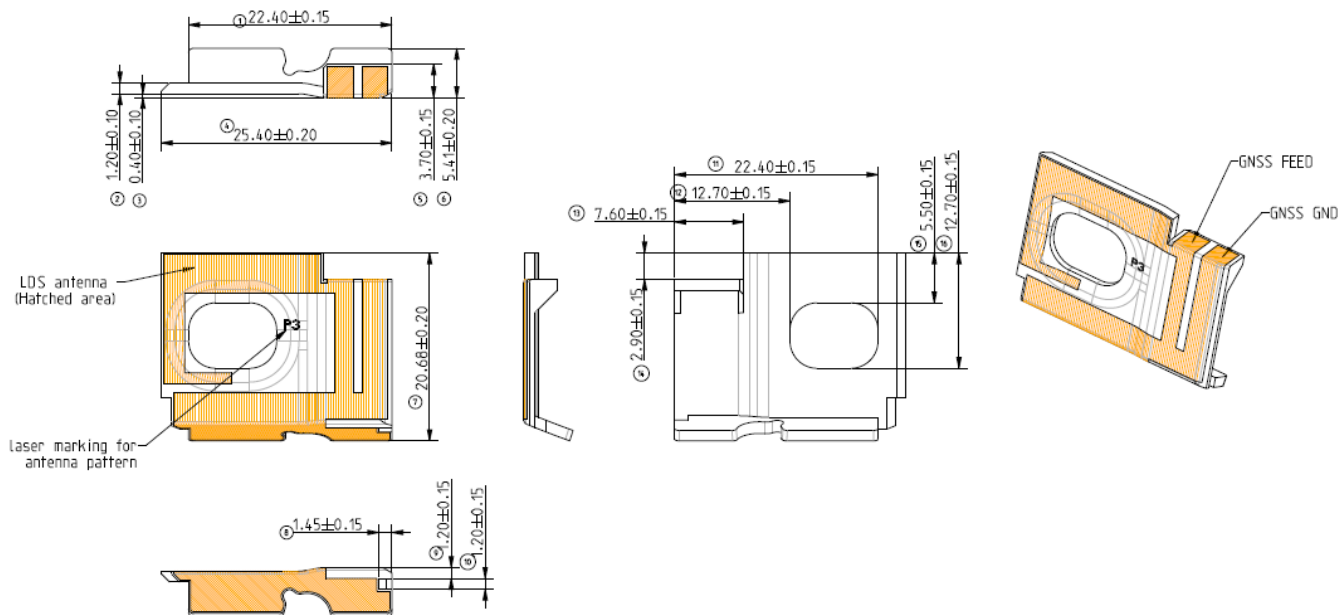
Features & Applications:

- Body Camera

ELECTRICAL SPECIFICATIONS @ 25°C				
General Specifications				
Antenna type	Nominal Impedance	Polarization	Radiation pattern	
PIFA	50Ω	Vertical	Omni	
Frequency (MHz)	1.17 ~ 1.18 GHz /1.570 ~ 1.58GHz			
Return Loss	≤ -2dB			
Efficiency (dB)	1.176GHz≤ -9dB 1.575GHz≤ -6dB			
MECHANICAL SPECIFICATIONS				
SZ31548				
Dimension (Length x Width x Height)	Antenna Type	Plating Spec	Material of Plastic	Weight
25.4mm*5.4mm*20.7mm	LDS	Cu 12-16um, Ni 2-4um, Au Min0.05um	PC, SABIC DX11355	0.8 g
ENVIRONMENTAL SPECIFICATIONS				
SZ31548				
Operating Temperature	Storage Temperature		RoHS Compliant	
-30 / +80° C	-30 / +80° C		Yes	

ELITE GNSS ANTENNA
SZ31548

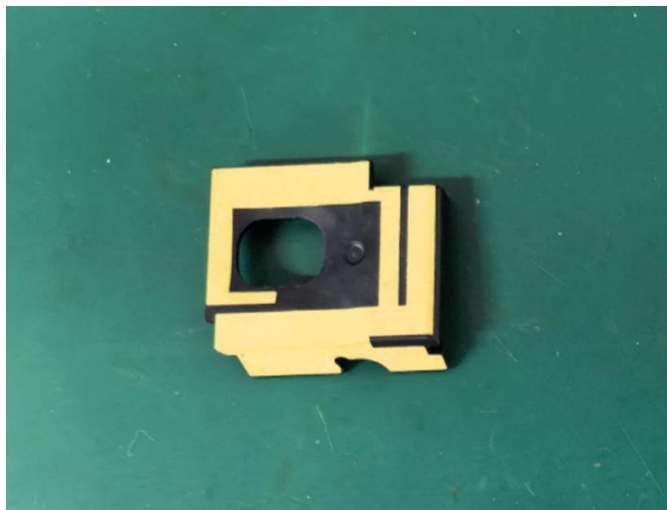
SZ31548



Dimension Unit: mm

Device 3D Picture

SZ31548



Charts- Antenna Return Loss

SZ31548



ELITE GNSS ANTENNA

SZ31548

Table- Antenna Efficiency

SZ31548

Frequency	Efficiency (dB)	Gain(dBi)	%
1150 MHz	-11.42	-5.08	7.2%
1155 MHz	-10.77	-4.93	8.4%
1160 MHz	-10.49	-4.65	8.9%
1165 MHz	-10.33	-4.12	9.3%
1170 MHz	-9.94	-3.82	10.1%
1175 MHz	-9.45	-3.58	11.4%
1180 MHz	-9.17	-3.36	12.1%
1185 MHz	-9.07	-3.17	12.4%
1190 MHz	-8.77	-2.83	13.3%
1195 MHz	-8.39	-2.65	14.5%
1550 MHz	-5.71	-0.72	26.9%
1555 MHz	-5.71	-0.67	26.9%
1560 MHz	-5.82	-0.77	26.2%
1565 MHz	-5.85	-0.99	26.0%
1570 MHz	-5.82	-1.04	26.2%
1575 MHz	-5.79	-1.11	26.4%
1580 MHz	-5.96	-1.26	25.4%
1585 MHz	-6.1	-1.23	24.5%
1590 MHz	-6.02	-0.95	25.0%
1595 MHz	-5.78	-0.52	26.4%
1600 MHz	-5.65	-0.25	27.2%
1605 MHz	-5.56	-0.05	27.8%
1610 MHz	-5.44	0.18	28.6%
1615 MHz	-5.31	0.32	29.4%
1620 MHz	-5.22	0.54	30.1%

For more information

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