

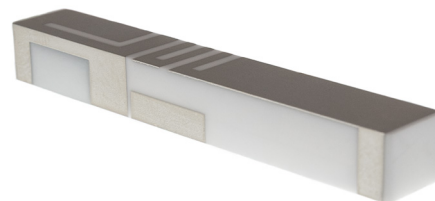


GSM/UMTS/LTE ANTENNA

Antenna GSM/UMTS/LTE
Embedded CPA700, Ceramic,
PIFA, SMD

AO-ALTE-CPA700

SECTRON company offers wide portfolio of GSM/UMTS/LTE antennas with various versions differing in shape, level of gain or attachment manner. SECTRON guarantees a compatible connection between antenna and all antenna adaptors produced by SECTRON.

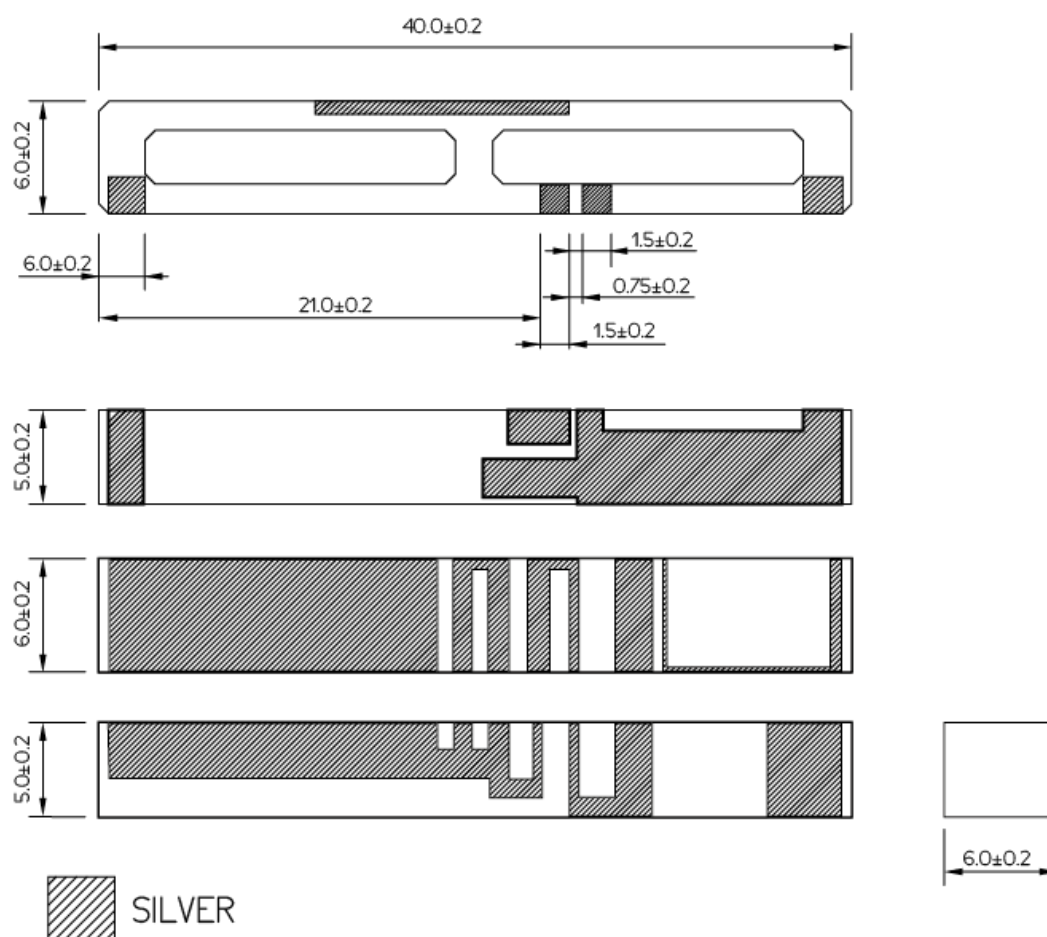


BENEFITS

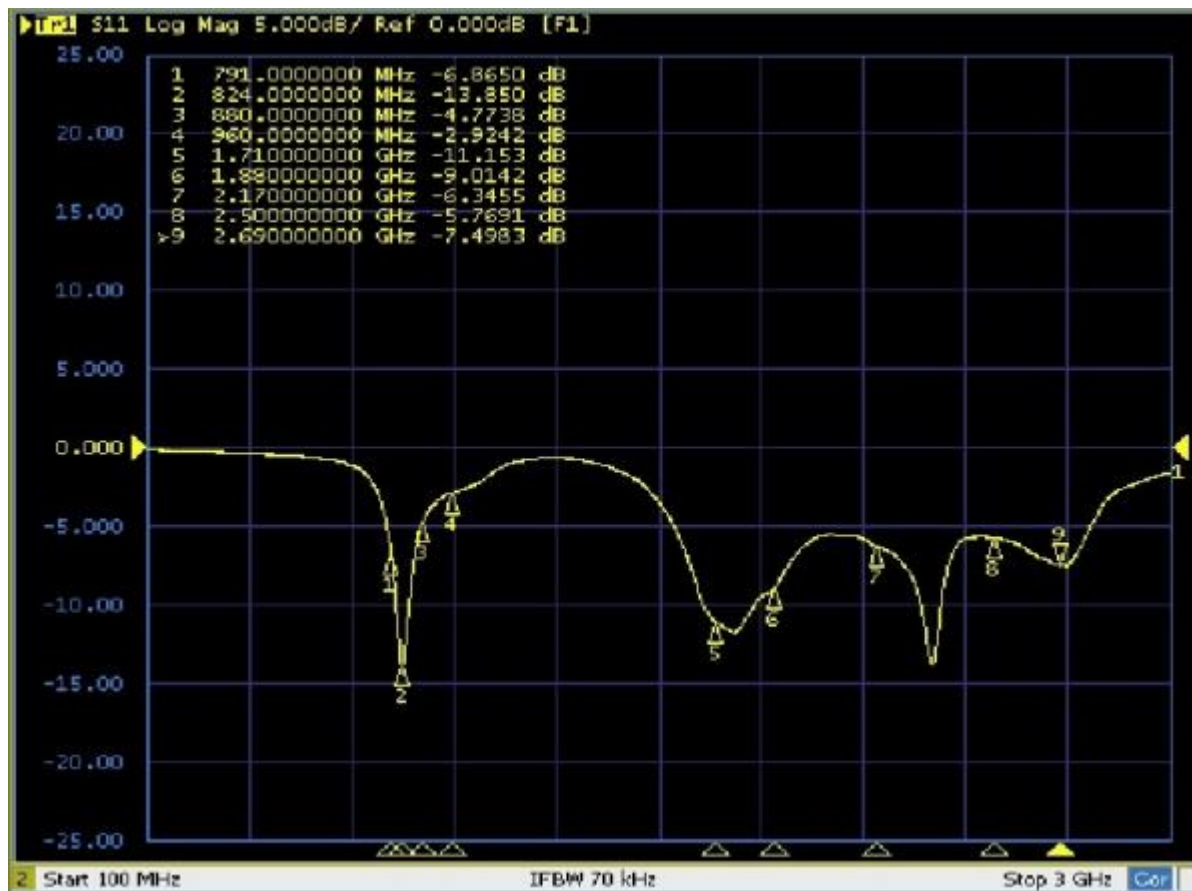
- Low VSWR
- High Gain

Technology	GSM/UMTS/LTE
Frequency bands	698-960, 1700-2700 MHz
Bandwidth	-
Gain	14.25 dBi
VSWR	<4.0:1
Impedance	50 Ohm
Directivity	Directional
Beam angle	Attached graphs
Polarization	Linear
Maximum input power	-
Power voltage	-
Dimensions	40 x 6 x 5 mm
Weight	3.51 g
Operating temperature	-40 to +85 °C
Execution	Internal
Method of attachment	Soldering
Cable type	-
The cable length	-
Connector type	-

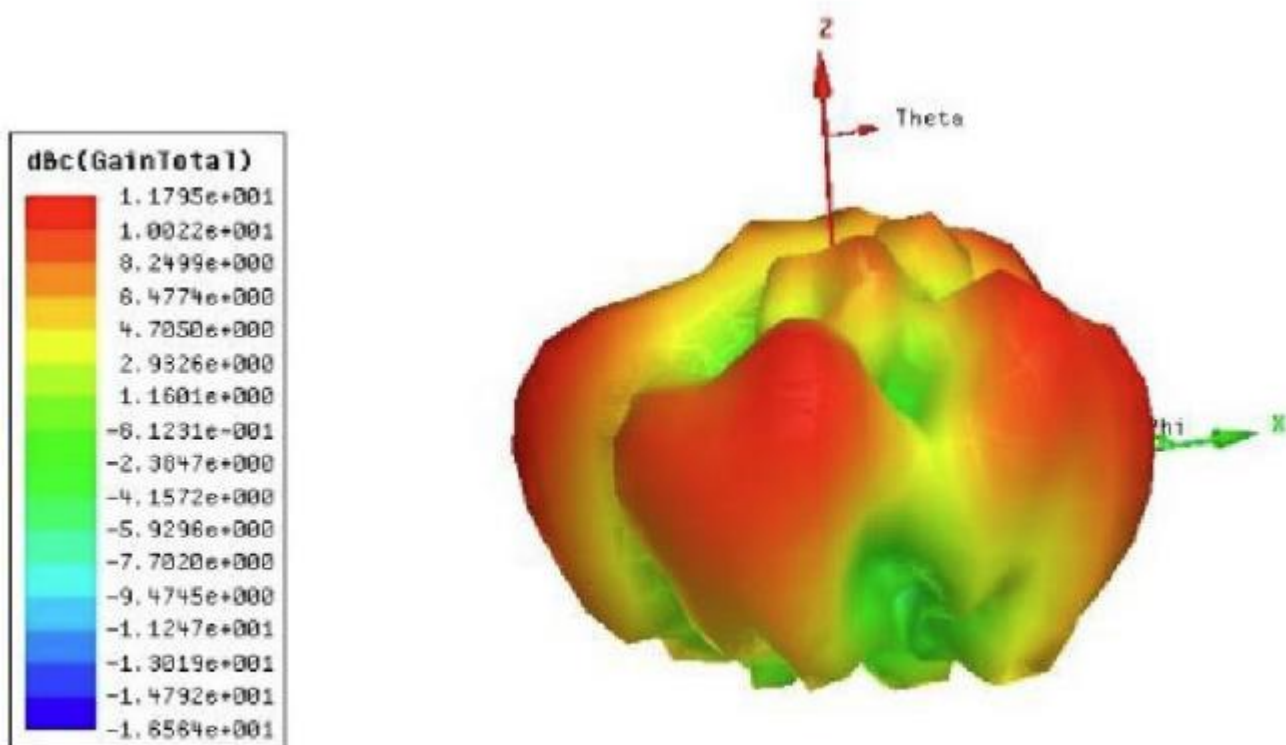
DRAWING



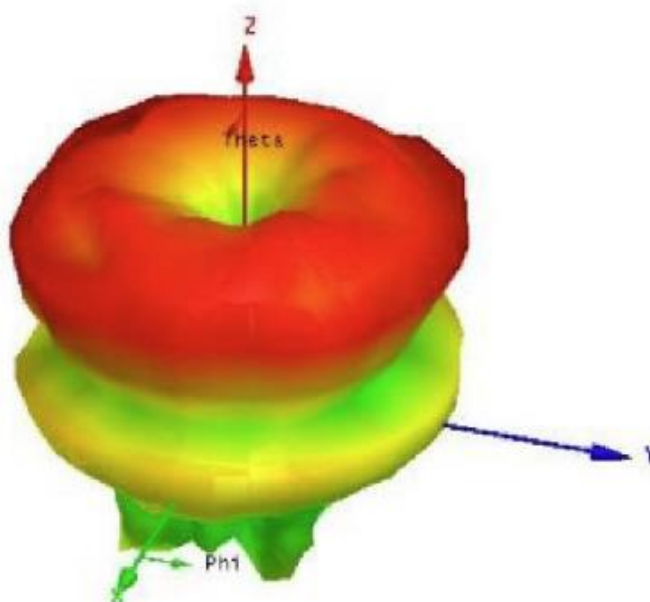
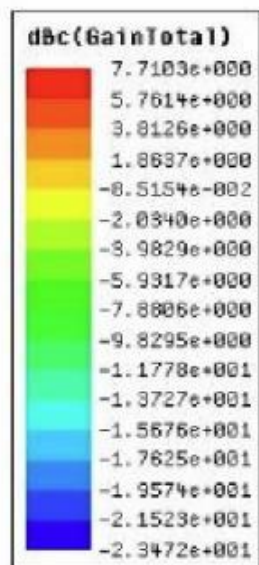
Return Loss



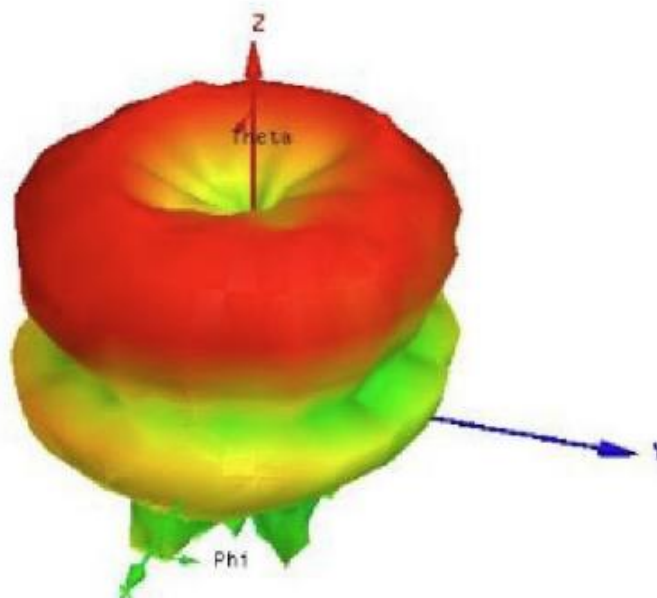
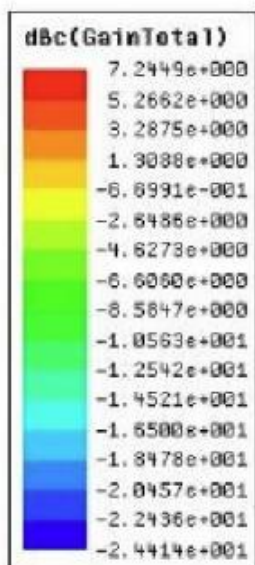
3D Radiation pattern



750 MHZ



1710MHZ



1950MHZ

Gain & Efficiency

Frequency(MHZ)	698	700	710	730	740	750	760	770	780	790	810	820	824	830	840	860
Efficiency (%)	46.9	47.01	48.96	50.12	51.88	54.63	57.13	60.12	64.58	66.57	70.92	75.87	78.2	79.5	79.05	74.71
Peack Gain (dBi)	-0.77	-0.68	-0.58	-0.45	-0.27	-0.1	0.52	0.81	0.9	0.96	1.11	1.4	1.46	1.93	1.92	1.47
Frequency(MHZ)	870	880	890	910	920	930	940	950	960	1710	1750	1790	1830	1870	1910	1950
Efficiency (%)	68.6	63.63	61.46	59.22	56.24	52.61	48.61	45.08	43.73	66.7	69.36	68.4	66.9	63.3	64.94	63.83
Peack Gain (dBi)	0.89	0.79	0.53	0.43	0.36	0.08	0	-0.19	-0.53	3.36	3.78	3.91	3.42	3.38	3.2	3.14
Frequency(MHZ)	1990	2010	2050	2090	2130	2150	2170	2500	2530	2570	2610	2650	2670	2690	2700	
Efficiency (%)	61.5	52.96	58.26	53.51	57.02	59.01	56.32	46.09	51.42	57.06	52.94	51.21	50.8	48.54	48.46	
Peack Gain (dBi)	3.14	2.32	2.72	1.93	2.4	2.45	2.89	4.08	4.86	5.04	4.66	4.55	4.38	4.3	14.25	

Different connector variants or cable lengths are available on request.