Part No. 9001939

LTE Antenna

698-960 MHz; 1710-2170 MHz

Supports: Broadband LTE, 4G/5G, LTE CAT-M, NB-IoT, Cellular LPWA

LTE antenna

Low Band: 698 – 960 MHz
High Band: 1710 - 2170 MHz

Electrical Specifications

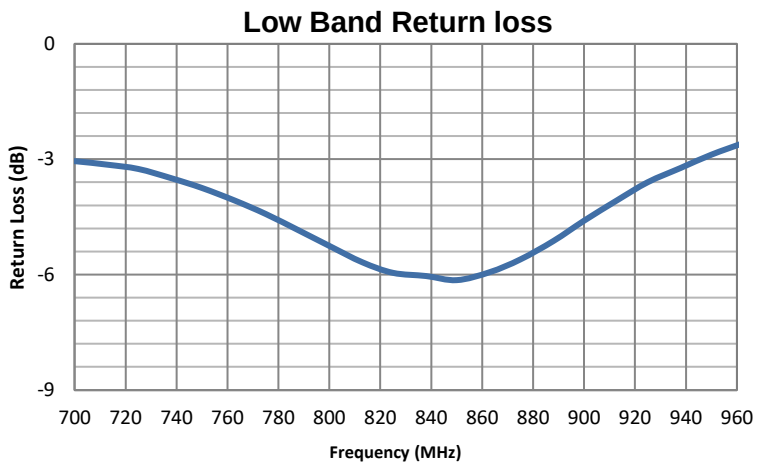
Frequency (MHz)	698 - 960	1710 - 2170
Peak Gain (dBi)	-3.3	0.9
Average Efficiency (%)	11.5	43.5
Return Loss (dB)	< -2.5	< -3
Feed Point Impedance	50 ohms unbalanced	
Polarization	Linear	
Power Handling	2.0 Watt CW	

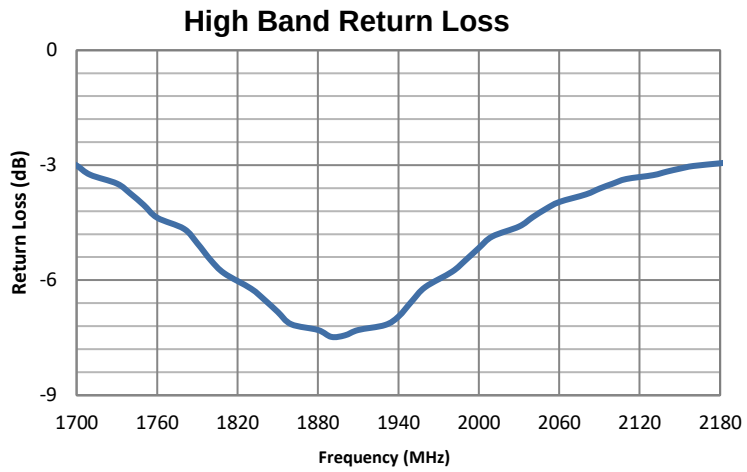
Mechanical Specifications & Ordering Part Number

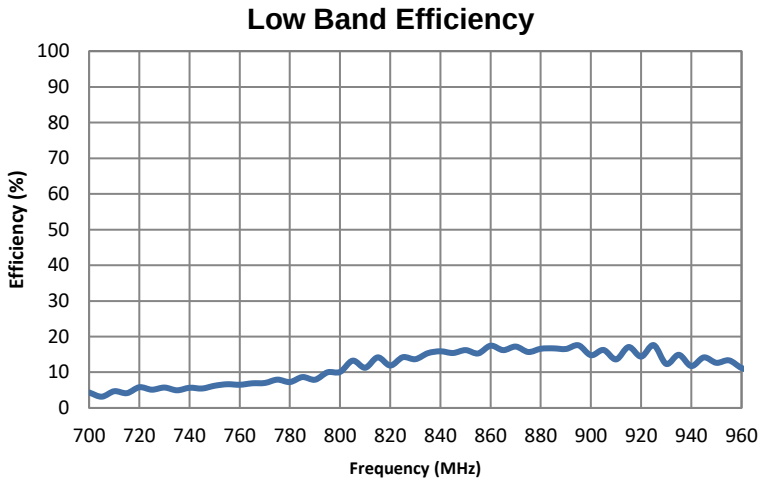
Ordering Part #	9001939
Dimensions (mm)	34.5 x 16.3 x 0.2
Mounting	using 3M 467MP Adhesive

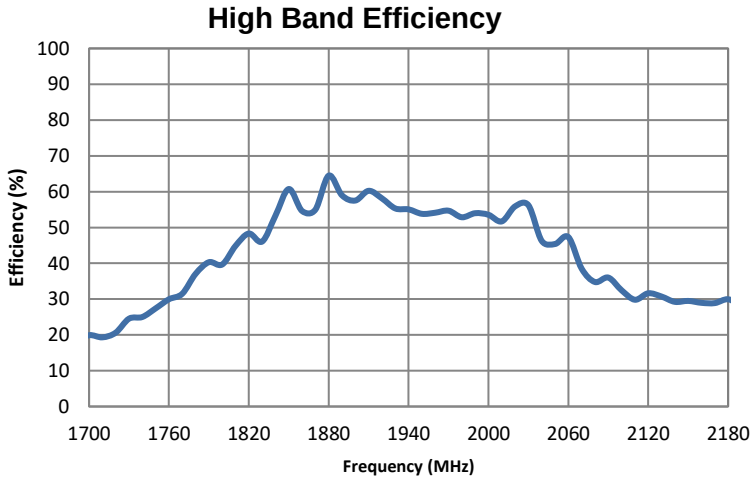
KYOCERA AVX Components Corporation
One AVX Boulevard
Fountain Inn, S.C. 29644-9039 USA
+1 (864) 967-2150

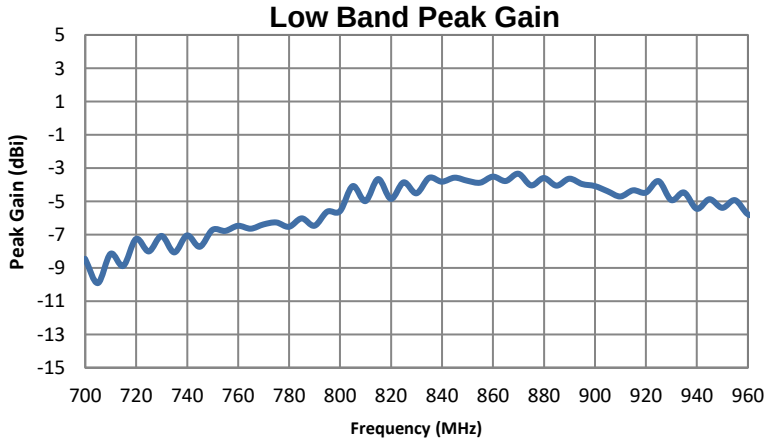
Return Loss, Efficiency and Peak Gain Plots

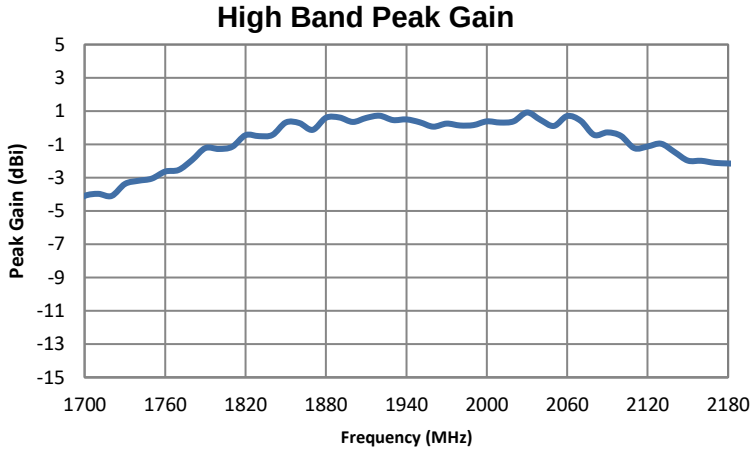










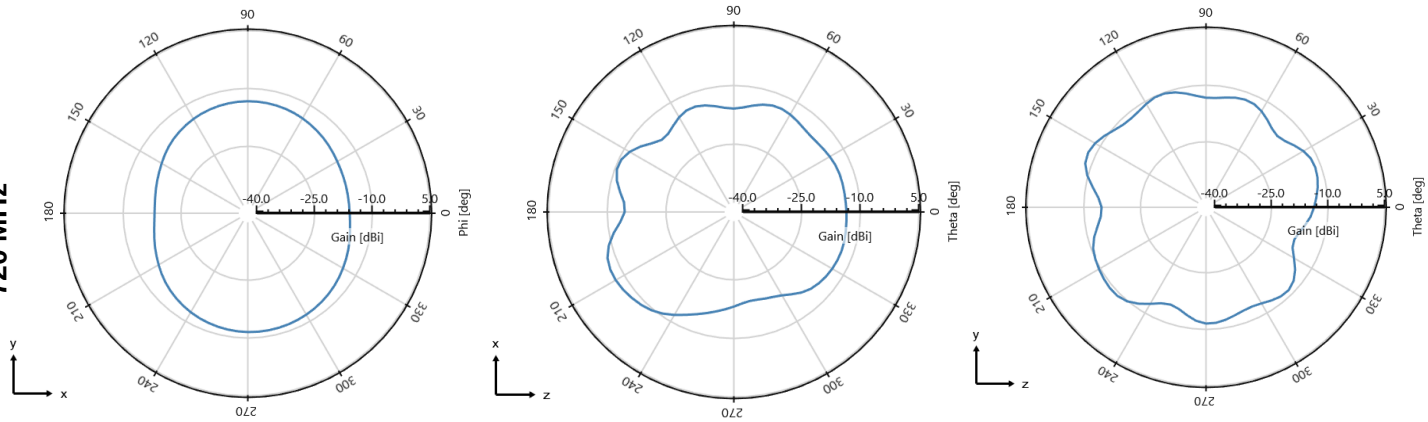


© 2021 KYOCERA AVX

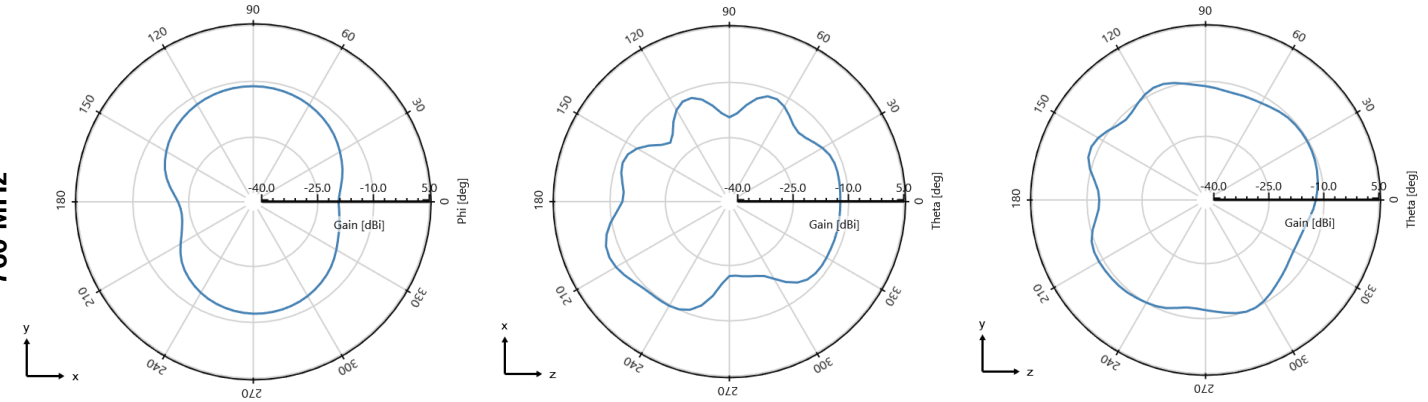
tel +(1) 858.550.3820
email: eth.info@KYOCERA-AVX.com

Antenna Radiation Patterns – Low Band

Low Band measured at 720 MHz



Low Band measured at 760 MHz

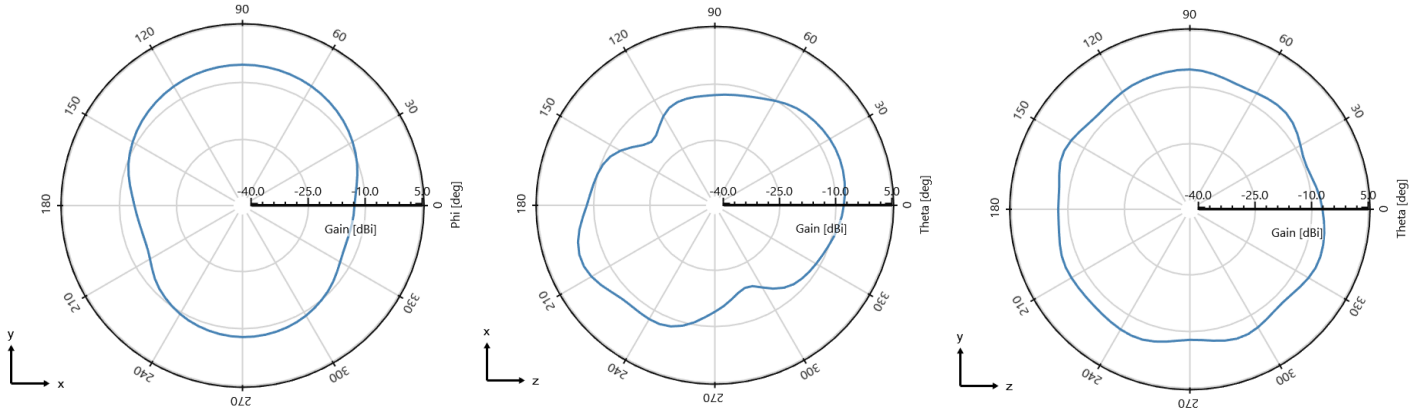


© 2021 KYOCERA AVX

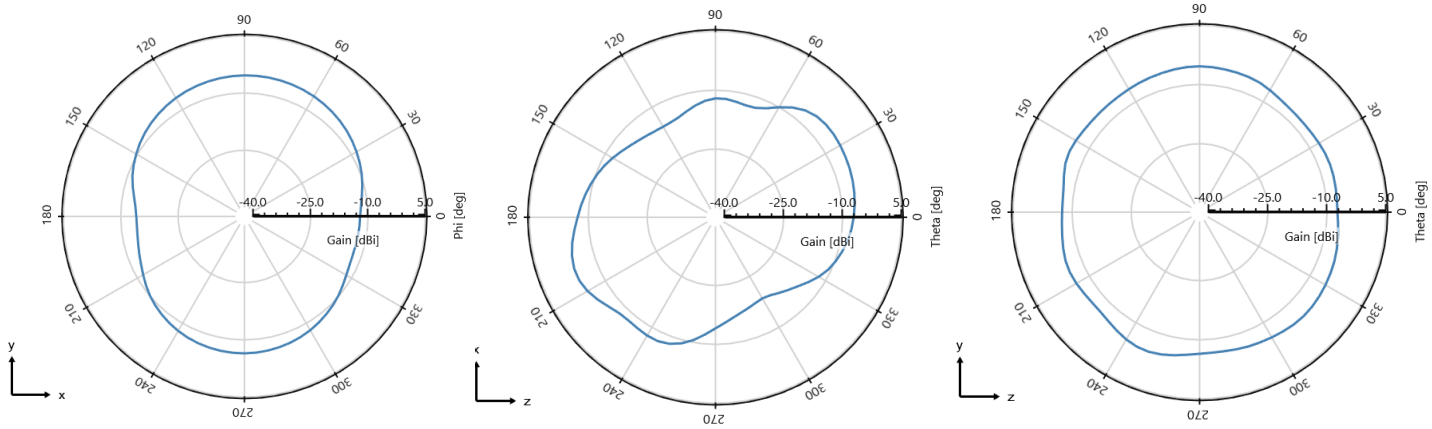
tel +(1) 858.550.3820
email: eth.info@KYOCERA-AVX.com

Antenna Radiation Patterns – Low Band cont.

Low Band measured at 850 MHz



Low Band measured at 900 MHz

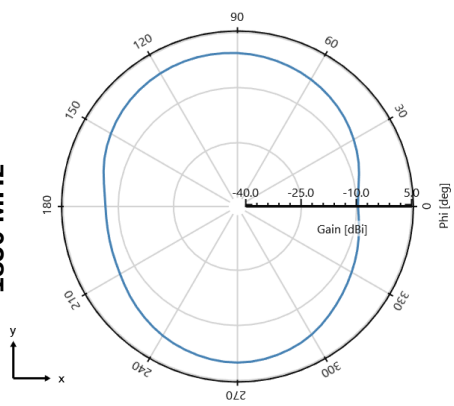


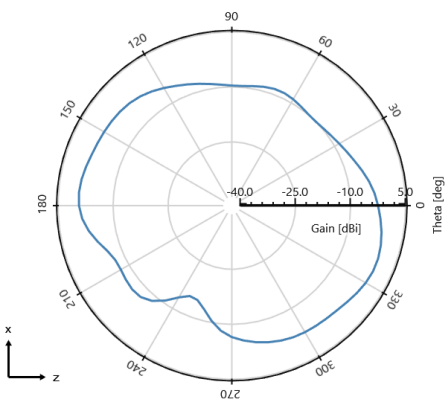
© 2021 KYOCERA AVX

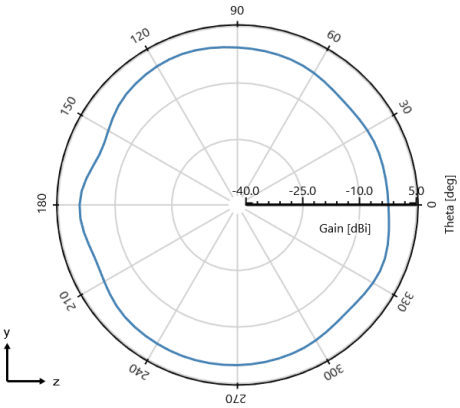
tel +(1) 858.550.3820
email: eth.info@KYOCERA-AVX.com

Antenna Radiation Patterns – Mid Band

Low Band measured at 1850 MHz







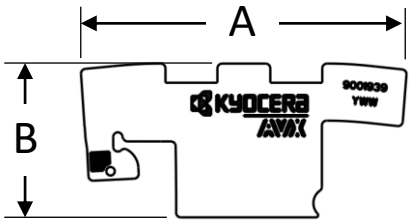
© 2021 KYOCERA AVX

tel +(1) 858.550.3820
email: eth.info@KYOCERA-AVX.com

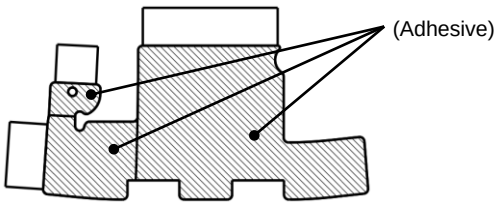
Mechanical Dimensions

Typical antenna dimensions (mm)

Part Number	A (mm)	B (mm)	Thickness (mm)
9001939	34.5 ± 0.3	16.3 ± 0.3	0.2 ±10%



Top View



Bottom View

© 2021 KYOCERA AVX

tel +(1) 858.550.3820
email: eth.info@KYOCERA-AVX.com