



Applications



Wi-Fi Enabled Lawn Mowers



Smart Speakers



Drones



Tablets



Smart TVs



Navigation Systems



Routers

Features and Benefits

- Ideal for IoT, Wi-Fi and LTE applications
- Dual-band, multi-band and wide-band options available
- Secure adhesive mount backing for easy install
- Flexible options for use in compact IoT devices
- Low profile design
- Reliable RF performance

For more information on Internal RF Antennas, visit:

<https://www.amphenolrf.com/antennas.html>

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100



Security Cameras



Wireless Headphones



Payment Terminals

Ordering Information



Part Number	ST0224-10-401-A	ST1224-10-401-A	ST0412-20-001-A	ST0225-10-401-A	ST1225-10-401-A	ST1225-20-001-A	ST0425-20-401-A
Frequency Range (GHz)*	2.4 – 2.5 5.15 – 5.85 Wi-Fi	2.4 – 2.5 5.15 – 7.2 Wi-Fi 6E	0.69 – 0.96 1.7 – 4.2 LTE 5G-NR	2.4 – 2.5 5.15 – 5.85 Wi-Fi	2.4 – 2.5 5.15 – 7.2 Wi-Fi 6E	2.4 – 2.5 5.15 – 7.2 Wi-Fi 6E	0.69 – 0.96 1.7 – 5.0 LTE 5G-NR
Material	FPC PI Adhesive 3M 467			PCB FR-4 Adhesive 3M 467			
Return Loss (dB)	< -10 < -10	< -10 < -10	< -6 < -6	< -10 < -10	< -7 < -6	< -10 < -10	< -6 < -6
Power (W) 50 Ohm	1	1	1	1	1	1	1
Gain, Peak / Average (dB)	2.1/3.1 -1.2/-1.5	2.1/3.6 -1.2/-1.1	3.1/2.7 -3.7/-2.0	2.6/2.6 -3.8/-1.6	2.6/4.1 -3.5/-2.0	3.4/4.2 -1.7/-1.6	4.2/4.2 -3.0/-3.0
Efficiency / Average (%)	77 71	77 78	42 63	42 69	44 65	68 70	50 51
Dimensions (mm)	30 x 10 x 0.2	30 x 10 x 0.2	95 x 15 x 0.2	25 x 7 x 0.85	30 x 7 x 0.85	50.4 x 13.8 x 0.7	95 x 15 x 0.85
Cable Length	100 mm standard – Custom cable length upon request						
Temperature Range (°C)	-40 to 85						
Humidity	Non-condensing 65°C 95% RH						
RoHS	RoHS Compliant						

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100