



M29BF 3-Lead MIMO 2 x 4G LTE 5G NR WiFi 6 / GPS GNSS Antenna  
 MIMO 2 x Cellular 4G LTE CBRS 5G NR WiFi 6 / GPS GNSS - FAKRA  
 Omni-Directional / Fixed Bolt Mount / Outside or Inside Use  
[Optional: Rugged M-Lander Adjustable Magnetic Mount Adapter](#)  
[Optional L-Bracket Mount](#)

M29BF 3-Lead MIMO Cellular 4G LTE CBRS 5G NR WiFi 6 / GPS GNSS Omni Directional Antenna w/Bolt Mount Multi-Carrier MIMO 2 x Cellular 4G LTE CBRS 5G NR WiFi 6 / GPS GNSS FAKRA Connector Ends For Sierra Wireless	
Multi-MIMO Multi-Carrier / Multi-Technology 4G LTE CBRS 5G NR Compliant	Verizon 4G 5G (DSS) Bands: B2 B4 B5 B13 B46 B48 B66 T-Mobile 4G 5G Bands: B2 B4 B5 B12 B25 B26 B41 B66 B71 n25 n41 n66 n71 AT&T 4G 5G Bands: B2 B4 B5 B12 B14 B17 B29 B30 B66 n5 CBRS LTE Band: B48 / 5G NR Bands: n77 n78 n79
4G CBRS 5G NR Frequency Range	617-960MHz / 1710-6000MHz
WiFi 6 Frequency Range	2.4-6GHz
4G 5G NR Avg. Peak Gain: Isotropic WiFi 6 Avg. Peak Gain: Isotropic	(6dBi) 617-960MHz / (7dBi) 1710-6000MHz / (7dBi) CBRS 3.5GHz (9dBi) 2.4-6GHz
Horizontal Half Power Beamwidth	360° / 360°
Vertical Half Power Beamwidth	70° / 35°
Nominal Impedance / Max Power	50Ω / 50W
VSWR	≤2.0 / ≤2.0
Polarization	MIMO 2 x Vertical Omni Directional
GPS GNSS Specifications	GPS Glonass Galileo QZSS Compass In-Band Frequency Interference Filter for LTE B13 B14
Frequency Range	1562-1612MHz
LNA Gain	29dB ± 2dB
VSWR	<2.0:1
Out of Band Rejection	>45dB (@ > +/- 100MHz f)
Typical Noise Figure	<-2dB
Notch Filter Rejection @787MHz	24dB
Operating Voltage	3-5V DC
Typical Current	15mA
Antenna Housing (1 Piece Radome)	High Impact UV Stable Polycarbonate Radome Height: 206mm (8") / Diameter: 78mm (3")
Connector Types	Cellular: FAKRA D / WiFi: FAKRA I / GPS GNSS: FAKRA C (All Standard Connector Ends Available)
3 x 16ft Coax Cables (Full Length / Finished)	Cellular 4G 5G NR WiFi 6 CFD200 Coax Cables / GPS GNSS CFD100 Coax Cable * Custom cable lengths & connector end options are available
Mounting Bolt	Stainless Steel Mounting Bolt: Length 15.87mm (5/8") / Diameter 19mm (3/4") w/Anti Rotation Perma Seal Baseplate Pad
Operating Temp	-40° / +80°C (-40° / +176°F)
Ingress Protection	IP69K

M29BF 3-Lead Series Antennas Include Built in Ground Plane  
 Full Length 16ft Coax Cables w FAKRA Connector Ends  
 For Sierra Wireless Devices  
 "Built To Spec" Options Available





M29BF 3-Lead MIMO 2 x 4G LTE 5G NR WiFi 6 / GPS GNSS Antenna  
 MIMO 2 x Cellular 4G LTE CBRS 5G NR WiFi 6 / GPS GNSS - FAKRA  
 Omni-Directional / Fixed Bolt Mount / Outside or Inside Use  
[Optional: Rugged M-Lander Adjustable Magnetic Mount Adapter](#)  
[Optional L-Bracket Mount](#)

M29BF 3-Lead (MIMO 2 x Cellular 4G 5G NR WiFi 6 / GPS GNSS) Antenna Configuration Options  
 FAKRA Connector Ends For Sierra Wireless

M29BF 3-Element Configuration Options	M29BF-15-2CG: MIMO 2 x Cellular 4G LTE CBRS 5G NR / GPS GNSS M29BF-15-2WG: MIMO 2 x WiFi 6 / GPS GNSS M29BF-15-CWG: Cellular 4G LTE CBRS 5G NR / WiFi 6 / GPS GNSS
---------------------------------------	--



M29BF-15-2CG  
 Cell FAKRA D / GPS FAKRA C



M29BF-15-2WG  
 WiFi FAKRA I / GPS FAKRA C



M29BF-15-2WG  
 Cell FAKRA D / WiFi FAKRA I / GPS FAKRA C



[Optional: L-Bracket Mount w/U-Bolt Set](#)  
 Sold Separately



[Optional: Rugged M-Lander Adjustable Magnetic Mount Adapter](#)  
 Sold Separately

M29BF 3-Lead Series Antennas Include Built in Ground Plane  
 Full Length 16ft Coax Cables w FAKRA Connector Ends  
 For Sierra Wireless Devices  
 "Built To Spec" Options Available





M29BF 3-Lead MIMO 2 x 4G LTE 5G NR WiFi 6 / GPS GNSS Antenna  
 MIMO 2 x Cellular 4G LTE CBRS 5G NR WiFi 6 / GPS GNSS - FAKRA  
 Omni-Directional / Fixed Bolt Mount / Outside or Inside Use  
[Optional: Rugged M-Lander Adjustable Magnetic Mount Adapter](#)  
[Optional L-Bracket Mount](#)

M29BF 3-Lead (MIMO 2 x Cellular 4G 5G NR WiFi 6 / GPS GNSS) Antenna Configuration Options  
 FAKRA Connector Ends For Sierra Wireless

M29BF 3-Element Configuration Options	M29BF-15-2CG: MIMO 2 x Cellular 4G LTE CBRS 5G NR / GPS GNSS M29BF-15-2WG: MIMO 2 x WiFi 6 / GPS GNSS M29BF-15-CWG: Cellular 4G LTE CBRS 5G NR / WiFi 6 / GPS GNSS
---------------------------------------	--



[Optional: Rugged M-Lander Adjustable Magnetic Mount Adapter](#)  
 Sold Separately



[Optional: L-Bracket Mount w/U-Bolt Set](#)  
 Sold Separately



M29BF 3-Lead Series Antennas Include Built in Ground Plane  
 Full Length 16ft Coax Cables w FAKRA Connector Ends  
 For Sierra Wireless Devices  
 "Built To Spec" Options Available

