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# Q194 SERIES MANPACK ANTENNA

The Q194 series antennas are broadband, lightweight, narrow profile designs for mounting to a manpack transceiver via a novel D38999 connector interface with blind mate connector contacts. The antennas incorporate a flexible gooseneck and spring combination to permit repositioning from 0 to 90 degrees as well as withstanding the shock impact of low branches and doorways. The dielectric radome provides high-voltage strike protection up to 10,000 volts.

The antenna is rugged, yet lightweight and a tethered connector sealing cap is provided to prevent moisture intrusion.

	Q194-2-1	Q194-3-1
<b>ELECTRICAL</b>		
<b>Frequency range</b>		
Port 1	20-1,000 MHz	20-1,000 MHz
Port 2		2,500-6,000 MHz
<b>VSWR</b>		
Port 1	< 3.5:1 20-300 MHz	< 2.8:1
Port 2	< 2.3:1 300 to 1000 MHz	< 2.8:1
<b>Gain</b>		
Port 1	-20 to -4 dBi	> -3 to -2 dBi
Port 2		> -1 dBi
<b>Isolation (all ports)</b>	> 20 dBi	
<b>Pattern (all ports)</b>	Azimuth omnidirectional, elevation figure eight	
<b>Power handling (all ports)</b>	15 W average	
<b>High-voltage strike protection</b>	10,000 volts	
<b>MECHANICAL</b>		
<b>Connector</b>	D38999 with BMA male contact	
<b>Weight</b>	< 2.0 lbs	< 1.5 lbs
<b>Finish</b>	Desert sand	
<b>ENVIRONMENTAL</b>		
<b>Operating temperature</b>	-40 to 71 C	



## KEY FEATURES

- > Broadband manpack radio antennas
- > Flexible gooseneck
- > Spring to absorb minor impacts
- > Lightweight

For further details and specifications, contact the factory at [antenna.info@L3Harris.com](mailto:antenna.info@L3Harris.com)

### Q194 Series Manpack Antenna

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Nonexport-controlled Information

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