## QHA-678

## DESCRIPTION

The QHA-678 is a Quadrifilar Helix hemispherical broadband antenna. The antenna is designed and qualified to be flown on a spacecraft designed for LEO \& GEO space missions where the required mission lifetime is 3 years minimum. The quadrifilar antenna has higher gain and superior on-axis axial ratio than a monofilar helical antenna.


Space Qualified Quadrifilar Helix Antenna

## MECHANICAL

Weight
3 oz (85 g)
Dimensions
$2.5^{\prime \prime} \mathrm{L} \times 2.5^{\prime \prime} \mathrm{W} \times 1.82^{\prime \prime} \mathrm{H}$
( $6.4 \mathrm{~cm} \mathrm{~L} \times 6.4 \mathrm{~cm} \mathrm{~W} \times 4.62 \mathrm{~cm} \mathrm{H}$ )
Available Upon Request
White Thermal Control Paint, Chemical Conversion Coating

## ENVIRONMENTAL

Shock
Vibration
Operational Temp.

MIL-STD810G
MIL-STD810G
$-148^{\circ} \mathrm{F}$ to $+203^{\circ} \mathrm{F}\left(-100^{\circ} \mathrm{C}\right.$ to $\left.+95^{\circ} \mathrm{C}\right)$

