

View Online at <https://aerobasegroup.com/nsn/5985-01-560-6223>

Overall Length:

11.00 inches

Frequency Rating:

250.0 megahertz and 325.00 megahertz single antenna element

Overall Diameter:

1.0 inches

Operating Temperature Range:

-32.0 to 49.0 degrees celsius

End Application:

1290-01-536-0128 munition network co xm7 spider

Coaxial Connector Series Designation:

Bnc single antenna element

Power Rating:

2.0 watts average single antenna element

Characteristic Impedance In Ohms:

50.0 single antenna element

Power Gain In Decibels:

1.0 single antenna element

Product Name:

Antenna, mcu

Special Features:

Operating frequency will transmit and receive in the 250-325mhz uhf band

Functional Description:

Requirements: operational fragility: antenna shall withstand 5 foot drop and free-fall drop of 36" onto concrete, antenna shall operate after being immersed in 1 meter of water between 7 and 27 degrees c for 1hr, antenna shall withstand rain of 1.8"/hr for 40 minutes, 0.25" ice, 20.0mm falling snow, 40,000 feet altitude, 48hr exposure to salt fog and spray with concentration of 5% weight, 30 minutes exposure to sand blown at velocity of 20mph, 44mph wind for 15 minutes, antenna shall be operable by operators wearing mopp level 4 for nbc exposure, antenna shall endure solar radiation of 1120 w/ (squared), fungus and thermal shock when subjected changes from -35f to 70f / 15min and from 120 to 70f/15min, ultra violet radiation exposure for 2yrs (30 days x 24 deployments)

Special Test Features:

Non-operating temperature: -46c to 71c with relative humidity ranges from 5 to 95 percent and includes conditions of mist and / or fog

Supplementary Features:

Height of base: 1.58" max

Specification Data:

05047-asme y14.5m-1994 professional/industrial association standard

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fiig:

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