

AMPHENOL RELEASES NEW OMNIDIRECTIONAL ANTENNA SERIES - 4240 Series

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SUMMARY

This bulletin is to announce Amphenol Antenna Solutions' release of a new omnidirectional antenna series referred to as the 4240 Series. The 4240 Series colinear antenna is designed for demanding applications where a durable and high performance colinear antenna is required.

The centre fed dipole design and feed network gives a stable radiation pattern across a wide bandwidth, and allows tilted beam designs to be effectively employed without large pattern distortions.

High quality materials and manufacturing techniques are employed to ensure that the antenna has excellent intermodulation performance & wide bandwidth characteristics for Cellular and other multi-channel communication systems. The antenna has been designed to withstand lightning strikes and has a conductor through it.

- Frequency Range 790 - 960 MHz
- Gain Options 5.2 dBi, 8.2 dBi or 11.2 dBi
- 3dB Vertical Beamwidths 35°, 16°, or 8°
- Power Handling 350W / 400W
- Vertical Polarization
- IM3 153 dBc (2 Tx @ 43 dBm)

These models are intended to replace certain Amphenol legacy BCD omnidirectional antennas. Refer to chart below.



RELEASED 4240 SERIES ANTENNA MODELS

New Model Number	Description	Intended to Replace
4240.03-875-Tx	Single Band, 1-Port, Omni-Directional Antenna, V-Pol, 790-960 MHz, 360°, 5.2 dBi, Fixed Tilt 0°, 3°, 6° options, Length 1124 mm (44.3 in), 7/16-DIN Female Connector	---
4240.06.875-Tx	Single Band, 1-Port, Omni-Directional Antenna, V-Pol, 790-960 MHz, 360°, 8.2 dBi, Fixed Tilt 0°, 3°, 6° options, Length 1719 mm (67.7 in), 7/16-DIN Female Connector	BCD-8007-EDIN-X BCD-8707-EDIN-X BCD-8707I-EDIN-X
4240.09-875-Tx	Single Band, 1-Port, Omni-Directional Antenna, V-Pol, 790-960 MHz, 360°, 11.2 dBi, Fixed Tilt 0°, 3°, 6° options, Length 2843 mm (111.9 in), 7/16-DIN Female Connector	BCD-80010-EDIN-X BCD-80010I-EDIN-X BCD-87010-EDIN-X