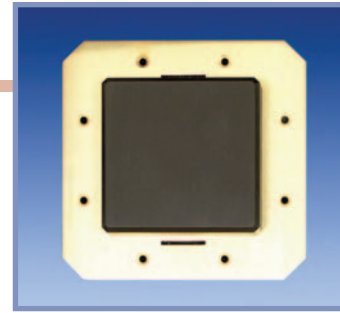
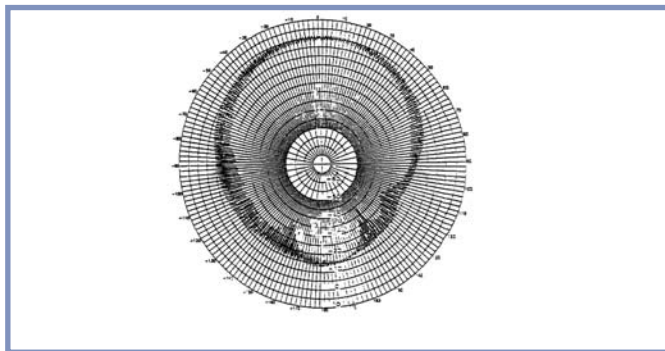


# VA-5 Antenna

5 dBic “Hybrid-Patch”™ Plate Antenna  
**Connector:** SMA Female on plate

The VA-5 Hybrid Patches are based on the same technology as the VIDAR-5, but with the box radome cut down to a simple plate construction. Gain and pattern are also similar to the VDAR. The VA-5 video antennas are designed to operate with traditional single video microwave receivers, multiple receiver diversity systems and with transmitters where directionality and gain are required. These antennas use the DTC Hybrid-Patch™ system to ensure pure circularity.

The VA-5 is available in three microwave bands.



## Specifications

Type	Patch antenna with integral ring hybrid
Polarization	RHCP
Peak Gain	5 dBic
Horizontal Beamwidth	90°
Vertical Beamwidth	90°
Nominal Impedance	50 ohms
Groundplane Requirements	Not required; built-in
Dimensions	5.5"W x 5.5"H x 0.625" D (102 mm x 102 mm x 16 mm)
Weight	6.4 oz. (180 g)
<b>DTC Part Number</b>	<b>Frequency Range</b>
VA-5-L	1.7 to 1.85 GHz with SMA male connector
VA-5-S2	2.2 to 2.3 GHz with SMA male connector
VA-5-S	2.0 to 2.5 GHz with SMA male connector

(MDS19200094 14NOV06)

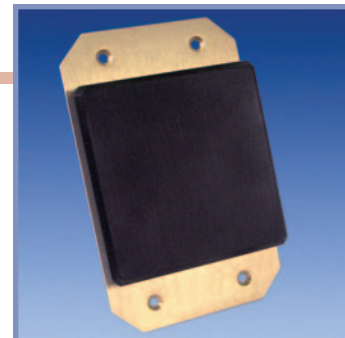
# VA-5 Lite Antenna

5 dBic “Hybrid-Patch”™ Plate Antenna  
**Connector:** SMA Female on plate

The VA-5 Lite Hybrid Patches are based on the same technology as the VDAR-5, but with the reflector plate cut down to allow easier concealment such as within PVC pipe. Gain and pattern are also similar to the VDAR. The VA-5 Lite video antennas are designed to operate with traditional single video microwave receivers, multiple receiver diversity systems and with transmitters where directionality and gain are required. These antennas use the DTC Hybrid-Patch™ system to ensure pure circularity.

The VA-5 Lite is available in three microwave bands.

The VA-5 Lite is designed to attach to an optional mount which allows pan and tilt positioning and lock-down. These antennas are used in DTC products including the VUBO, RUBO, and DynaDome™ and are supplied to many OEM applications including remote video, mobile platforms, robotics and UAVs.



## Specifications

Type	Single 5 dBic “Hybrid Patch” Plate Antenna
Polarization	RHCP
Peak Gain	5 dBic
Horizontal Beamwidth	90°
Vertical Beamwidth	90°
Nominal Impedance	50 ohms
Groundplane Requirements	Not required; built-in
Dimensions	3.5"W x 5.5"H x 0.625" D (102 mm x 102 mm x 16 mm)
Weight	6.4 oz. (180 g)
<b>DTC Part Number</b>	<b>Frequency Range</b>
VA-5-Lite-L	1.7 to 1.85 GHz with SMA male connector
VA-5-Lite-S2	2.2 to 2.3 GHz with SMA male connector
VA-5-Lite-S	2.0 to 2.5 GHz with SMA male connector

