

SPECIFICATIONS	
Antenna Model	PAS69278
Operating Frequency (MHz)	698-960      1710-2700
Peak Gain (dBi)	8.0-9.5      6.1-9.3
VSWR – Max	2.0:1
Polarization	Slant ± 45°
Vertical Plane 3 dB Beamwidth (degrees)	55-70      50-80
Azimuth Plane 3 dB Beamwidth (degrees)	55-70      50-80
Isolation (dB)	>25
Max Power - Ambient 25°C (W)	2 x 10W
Dimensions – mm (in.)	295 x 295 x 82 (11.61 x 11.61 x 3.23)
Mounting	Wall and Mast
Weight – kg (lbs.) – based on outdoor ver.	1.46 (3.22)
Connector Type	N-type female (2x) or configurable
Ingression Protection	IP55 (outdoor ver.)/IP20 (indoor ver.)
Temperature – C° (F°)	-40 to +70 (-40 to +158)
Wind Rating (operating) – km/hr (mph)	150 (93)
Radome and Base Plastic Material	UL94 V0 rated (UV-resistant for outdoor ver.)
Radome and Base Color	White



### SAFETY

Please read all instructions carefully before attempting to install and use this product.

The PAS69278 and all associated equipment should be installed in accordance with applicable local and national electrical code guidelines to ensure safe operation.

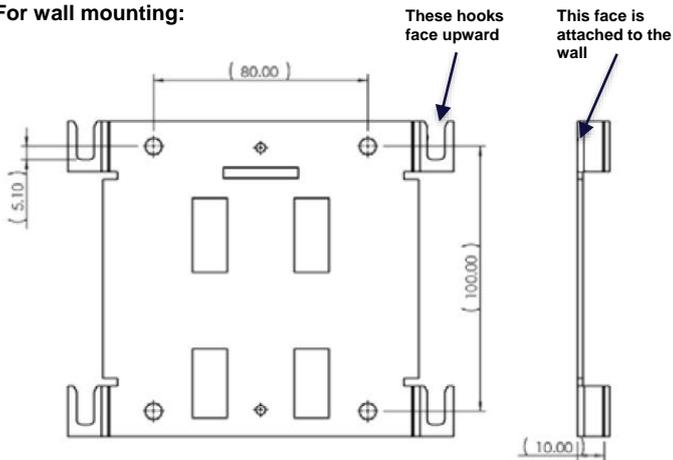
### LOCATION

For best results, mount the PAS69278 facing towards the center of the coverage area. A line-of-sight path between the antenna and active floor works best. Avoid mounting next to a column or vertical support that could create a shadow zone and reduce coverage to only one portion of the room.

### INSTALLATION

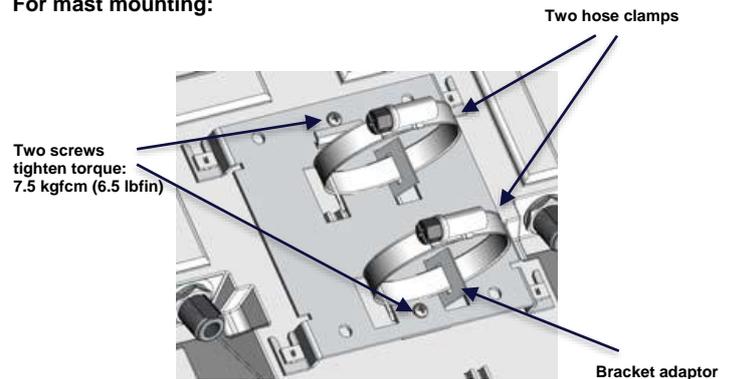
The PAS69278 is shipped with wall mounting bracket, anchors/molys that allows mounting to the wall (see [Figure 1](#) for location of drilled holes). Optionally, hose clamps and bracket adaptor for mast mounting. The connector should face downward for both mountings. Cable should route in between ribs of base plate and exit through notch of radome (either top or bottom depends on models).

#### For wall mounting:



**Figure 1: Wall mounting bracket: drilling dims and orientation**

#### For mast mounting:



**Figure 2: Mast mounting**

**LIGHTNING ARRESTER (OPTIONAL)**

In external applications, we recommend that you install three lightning arresters, one for each port of the antenna. Lightning arresters are not included with the antenna – they must be purchased separately.

For best results, install each lightning arrester in close proximity to a low-resistance ground at a point where the coaxial cable enters the building (see Figure 3). In most cases, one 8-foot rod driven into moist soil or multiple rods bonded together, will provide adequate grounding (see National Electrical Code guidelines).

To connect the lightning arrester to ground, use a very short and direct run of #10 solid copper wire (or equivalent).

For exterior installations, use weatherproof coax connectors with a suitable mastic or rubberized tape to prevent water incursion (see Figure 3).

Be sure to install the lightning arrester in an accessible location that permits periodic inspection and replacement (as needed).

Provide drip loops in cables to prevent water from entering the building (see Figure 4).

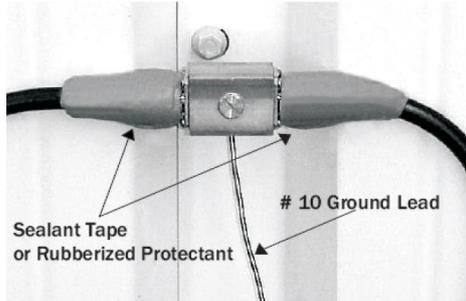


Figure 3: Low-resistance ground and weatherproofing

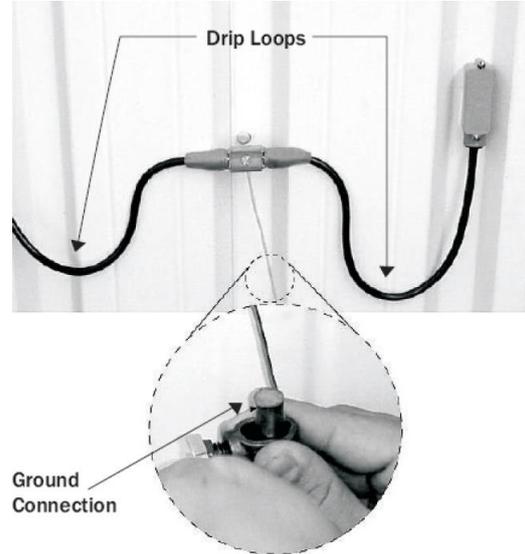


Figure 4: Drip loops and ground connection



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