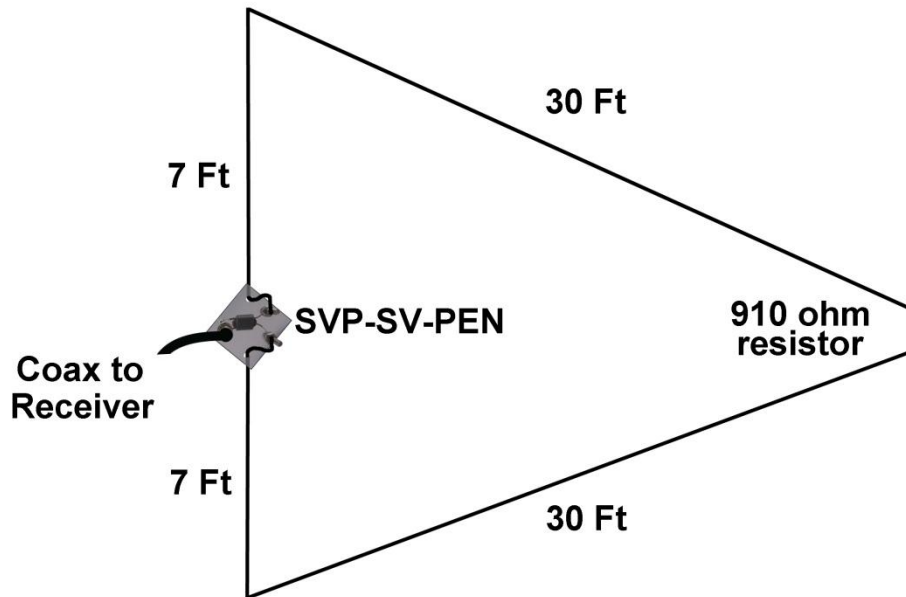


# Pennant Antenna Construction Details

This is a small low noise receiving antenna for those without adequate room for beverage type antennas. A pair of side-by-side 150 to 300 ft. spaced Pennants are close to a 1000 ft. beverage in performance for DX reception.



The antenna can be mounted so that bottom is approximately 6 ft. above the ground. No ground system is required for this type of antenna.

Two side-by-side Pennant antennas can be separated 150 ft. to 300 ft. and fed through equal lengths of coax. 150 ft spacing works well for both 80 and 160 meters. 300 ft. spacing gives a beam width of approximately 55 degrees on 160 meters. 150 ft. spacing on 80 meters has same pattern as 300 ft. on 160 meters.

A termination resistor from 820 ohms to 1000 ohms is adequate. Front-to-back null is approx 30db for this resistance range. 910 ohms is a good mean value. A Pre-amp having about 20db of gain is necessary on 160 meters. 10db or more is adequate for 80 meters.

Other KD9SV products can be seen and ordered from DX Engineering at [www.DXEngineering.com](http://www.DXEngineering.com)

Part Number: **SVP-SV-PEN**

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**KD9SV**  
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