

PHASETEK INC.

VOLTAGE SAMPLING UNIT SPECIFICATION SHEET



DESCRIPTION:

Phasetek Inc.'s Voltage Sampling Units are designed to provide an RF Sample Voltage proportional to the RF Voltage connected to the Input Bowl Feed-Thru Assembly on the Unit. These units will allow AM Broadcast Stations to conduct "Method of Moments" Proofs of Performance on arrays with Tower heights and geometries in which Base Toroidal Current Transformer samples are not permitted.

The Voltage Sampling Units are designed as an Inductive Voltage Divider. This provides a Static (DC) path to ground, eliminating a separate Static Drain Choke. The Input impedance of the Unit is high within its specified frequency range. This high Input impedance minimizes any Tower impedance "shunting" and current phase shift.

Units are designed for indoor mounting or can be mounted outdoors with an optional weatherproof cabinet assembly (Part Number P600-206-WP).

VOLTAGE SAMPLING UNIT SPECIFICATION SHEET

SPECIFICATIONS – ELECTRICAL

Operating Frequency Range:	0.5 TO 1.6 mHz
Operating Temperature Range:	-20°C to +50°C
Load Termination:	50 Ohms
Output Voltage Sensitivity:	1: 500V
Output Magnitude Accuracy:	± 2.0%
Output Phase Accuracy:	± 2.0°
Magnitude Tracking Accuracy:	± 1.0%
Phase Tracking Accuracy:	± 1.0°
Maximum Peak Voltage:	28.5 kV

SPECIFICATIONS – MECHANICAL

Overall Size:	12" Wide x 11" High x 38" Long
Output Connector:	Type "N" Female
Mounting:	(4) 3/8" Diameter Mounting Hole
Approximate Weight:	33.5 Pounds
Finish:	Gold Alodine

STANDARD UNITS

<u>PART NUMBER</u>	<u>FREQUENCY RANGE</u>
P600-206-1L	500 - 670 kHz
P600-206-1H	680 - 850 kHz
P600-206-2L	860 - 1050 kHz
P600-206-2H	1060 - 1200 kHz
P600-206-3L	1210 - 1400 kHz
P600-206-3H	1410 - 1600 kHz

PHASETEK INC.

550 CALIFORNIA ROAD, UNIT 11
QUAKERTOWN, PENNSYLVANIA 18951

PHONE: 215-536-6648

FAX: 215-536-6648

WEBSITE: www.phasetekinc.com

EMAIL: kurt@phasetekinc.com