PulseLARSEN Antennas

Series: GLS

TECHNICAL DATA SHEET

Description: Exterior 5dBi Glass Mount Dipole 758-896MHz

PART NUMBER: KG3E770

Features:

- 758-896 MHz
- FirstNet Band 14 compliant
- Omnidirectional antenna
- 5/8 over 1/2 λ
- Polarization: Vertical
- Gain: 5 dBi
- Antenna length: 360 mm.
- Cable length: 14 ft.

Applications:

- Vehicular glass mount
- Public safety
- First responders
- RoHS compliant

All dimensions are in mm / inches

Issue: 1815

RoHS COMPLIANT

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ELECTRICAL SPECIFICATIONS

Antenna Type	Glass Mount Dipole
Frequency	758-896 MHz
Nominal Impedance	50 Ω
VSWR	2:1
Radiation Pattern	Omni
Gain	5 dBi
Polarization	Vertical

MECHANICAL SPECIFICATIONS

Overall Length	360 mm
Weight	225 g
Antenna Color / Material	Black / PC/PET
Connector type	No connector
Cable type	RG-58
Cable length	14 feet / 4267 mm

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 to +85 ° C
RoHS Compliant	Yes

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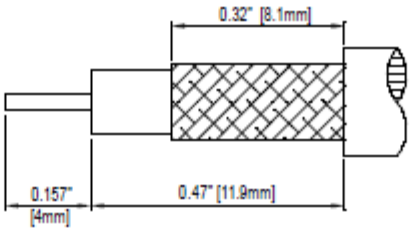
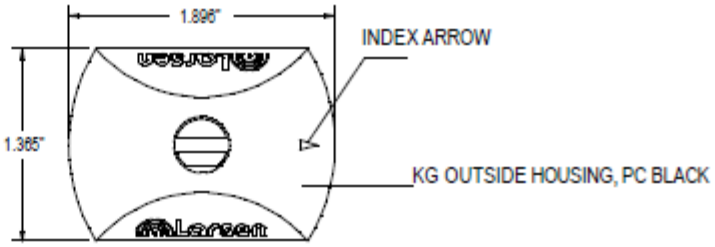
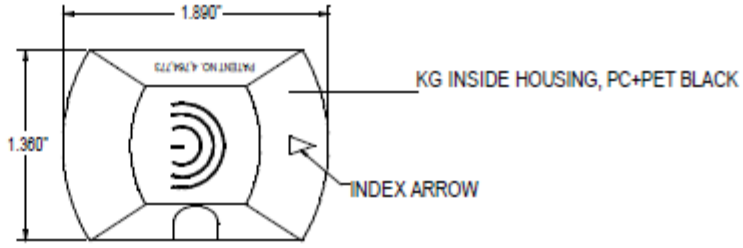
MECHANICAL DRAWING



TNC MALE CRIMP CONNECTOR
RECOMMENDED CABLE STRIPPING DIM'S



OUTSIDE HOUSING



INSIDE HOUSING

RoHS COMPLIANT

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TEST SETUP

Description: Exterior 5dBi Glass Mount Dipole 758-896MHz

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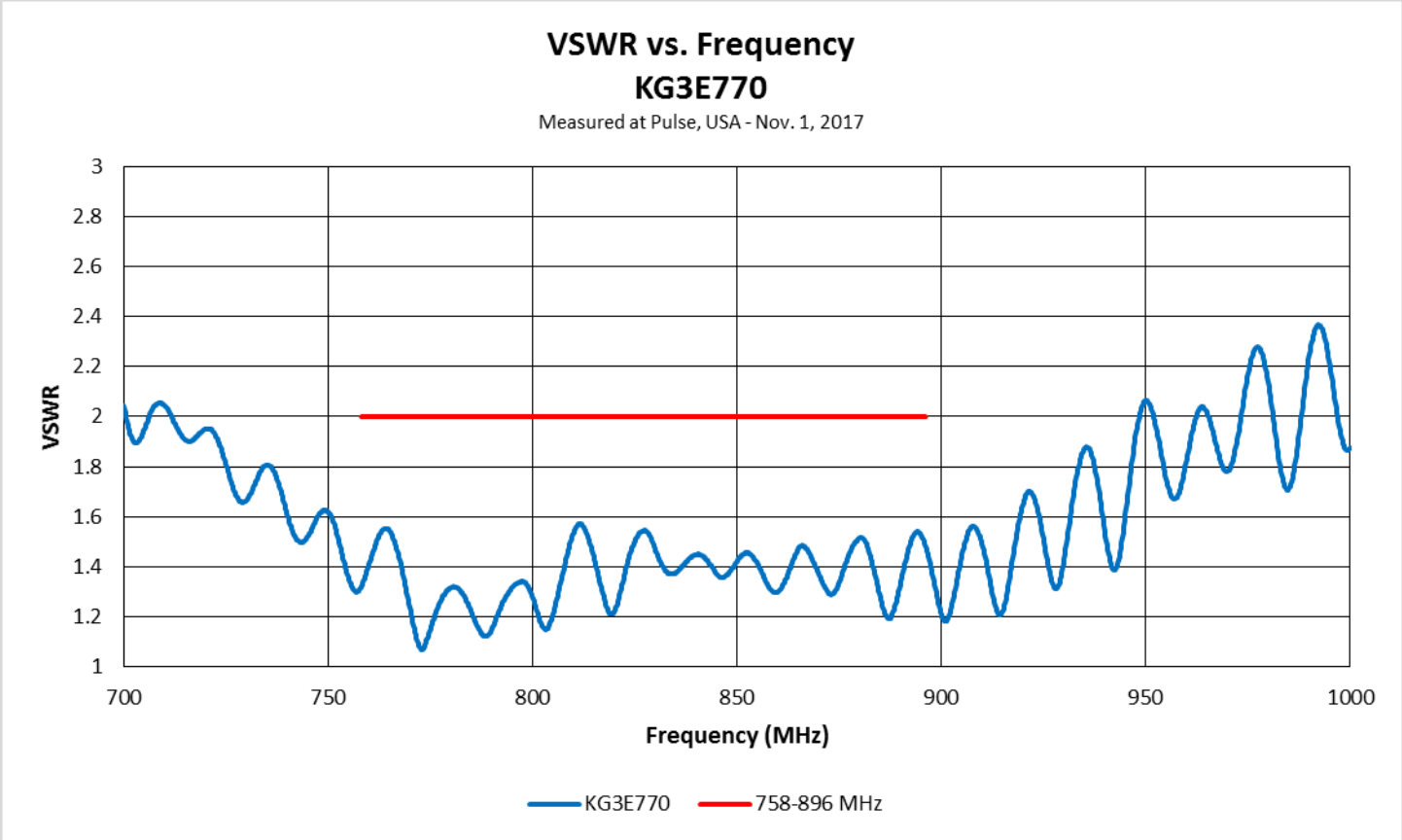
CHARTS



RoHS COMPLIANT

PulseLARSEN Antennas

TECHNICAL DATA SHEET

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PACKAGING

1 plastic bag containing:

- 1 antenna
- 1 adhesive enhancer
- 2 alcohol wipes
- 1 wrench
- 1 TNC crimp kit

1 label on plastic bag with part number, date code.

ASSEMBLY

PRE-INSTALLATION TIPS

- Do not install KG2/70 on front windshield as glass is too thick.
- Avoid installing antenna on curved glass.
- Do not install on glass with metallic content (passivated glass i.e. "solar-coat," "solar-cool"). Check with auto manufacturer.
- Do not mount antenna on any dark tinted area or on an area where an aftermarket tinting film has been applied.
- Do not install over in-glass AM/FM dipole antenna.
- To install antenna over defroster wires, the wires must be spaced at least one inch or more apart. Center the antenna over one wire, allowing it to pass between the horizontal coupling plate (see Fig. 1).
- Clean glass with water and a mild detergent if needed. Do not use ammonia-based or similar type of glass cleaner.

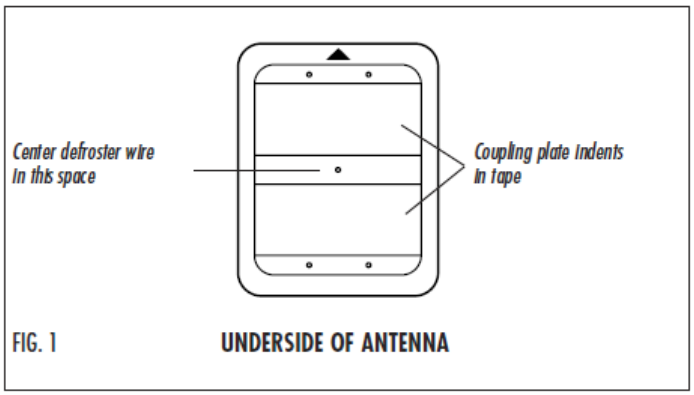

FIG. 1 UNDERSIDE OF ANTENNA

INSTALLATION

1. Vehicle glass should be near room temperature (70° F / 21° C) for installation.
2. Clean both inside and outside mounting areas with enclosed alcohol pad. Wipe off excess alcohol (do not allow alcohol to dry on the glass). If window film is apparent, use a mildly abrasive detergent-type cleanser.
3. Prepare outside mounting area by swabbing with enclosed liquid adhesion "enhancer." Allow enhancer to dry completely before applying outside coupler.
4. Peel protective liner from adhesive tape on the outside coupler. With the index arrow pointing up, mount the outside coupler starting at the top and rolling downward. From the inside of the window, observe whether the adhesive is making contact with edges and corners. Press firmly on all corners and in the center to ensure maximum contact. If the adhesive is not making contact, apply additional pressure where needed. Seal may be enhanced with a bead of clear silicone sealant. **Note:** 100% contact is not always possible with curved glass.
5. Remove protective liner from adhesive tape on inside coupler. With the index arrow pointing up, mount the inside coupler opposite of outside coupler.

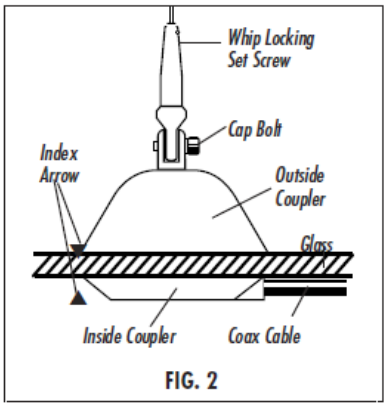

FIG. 2

6. Route coax to the radio/phone. (Except KGB.)
7. Position swing arm and whip to the vertical position and tighten cap bolt at swing arm/coupler connection. (For best results, do not install whip or expose to water for 24-72 hours.)

RoHS COMPLIANT