

⚠ Note:

- Export Control
 (For customers outside Japan)
 Murata products should not be used or sold for use in the development, production, stockpiling or utilization of any conventional weapons or mass-destructive weapons (nuclear weapons, chemical or biological weapons, or missiles), or any other weapons.
 (For customers in Japan)
 For products which are controlled items subject to the "Foreign Exchange and Foreign Trade Law" of Japan, the export license specified by the law is required for export.
- Please contact our sales representatives or product engineers before using our products listed in this catalog for the applications listed below which require especially high reliability for the prevention of defects which might directly cause damage to the third party's life, body or property, or when intending to use one of our products for other applications than specified in this catalog.
 - Aircraft equipment
 - Aerospace equipment
 - Undersea equipment
 - Power plant equipment
 - Medical equipment
 - Transportation equipment (vehicles, trains, ships, etc.)
 - Traffic signal equipment
 - Disaster prevention / crime prevention equipment
 - Data-processing equipment
 - Application of similar complexity and/or reliability requirements to the applications listed in the above
- Product specifications in this catalog are as of August 2000. They are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before your ordering. If there are any questions, please contact our sales representatives or product engineers.
- The parts numbers and specifications listed in this catalog are for information only. You are requested to approve our product specification or to transact the approval sheet for product specification, before your ordering.
- Please note that unless otherwise specified, we shall assume no responsibility whatsoever for any conflict or dispute that may occur in connection with the effect of our and/or third party's intellectual property rights and other related rights in consideration of your using our products and/or information described or contained in our catalogs. In this connection, no representation shall be made to the effect that any third parties are authorized to use the rights mentioned above under licenses without our consent.
- None of ozone depleting substances (ODS) under the Montreal Protocol is used in manufacturing process of us.

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Equivalent electrical and
magnetic characteristics to a human.

DRY PHANTOM

muRata

Innovator in Electronics

DRY PHANTOM

PHAA4645-1G50-E03



Electric Characteristics

Relative Dielectric Constant
 46 ± 7 (at 25 1.5GHz)

Loss Tangent
 0.45 ± 0.15 (at 25 1.5GHz)

Features

- 1** The same dielectric characteristics as a human. Manufactured using newly developed complex dielectric materials containing Murata ceramic powder, polymer and carbon powder.
- 2** Enables measurements to be easily made. Stable conditions similar to the human body which has reflection, absorption and dissipation of electromagnetic waves.
- 3** Very good long term stability due to the solid dry material.
- 4** Easily handled and stored compared with conventional sol-gel or water types.

Specifications

Part Number: PHAA-4645-1G50-E03

Dimensions: W400 x H518 x D215(mm)

Weight: Approximately 66 lb.(30kg)/set

Specific Gravity: Approximately 1.8

Materials: Complex dielectric materials containing ceramic powder, polymer, and carbon powder.

Accessory (plastic (nylon))

Positioning pin for head and body
 Set-stand Adjustable arm set Case

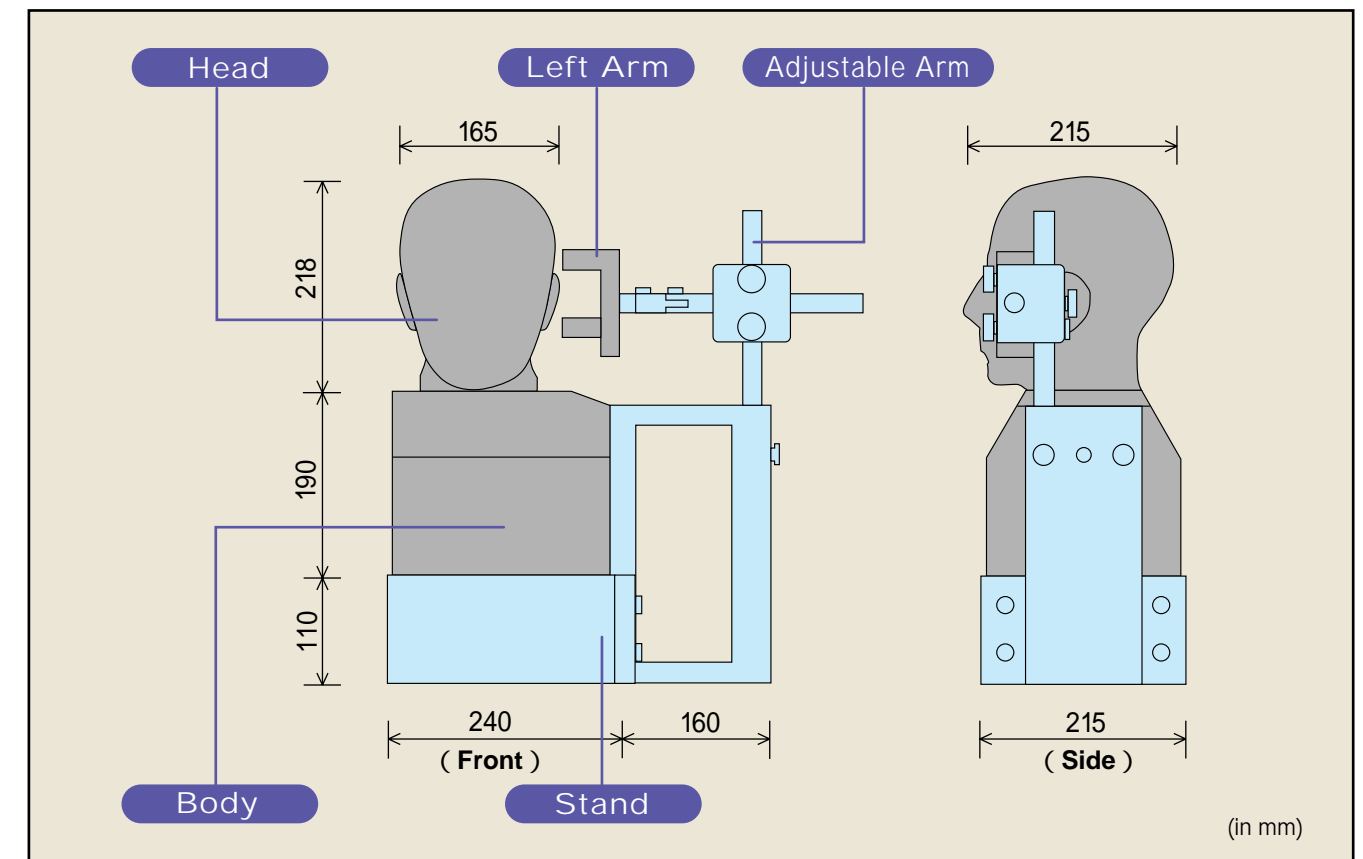


CAUTION

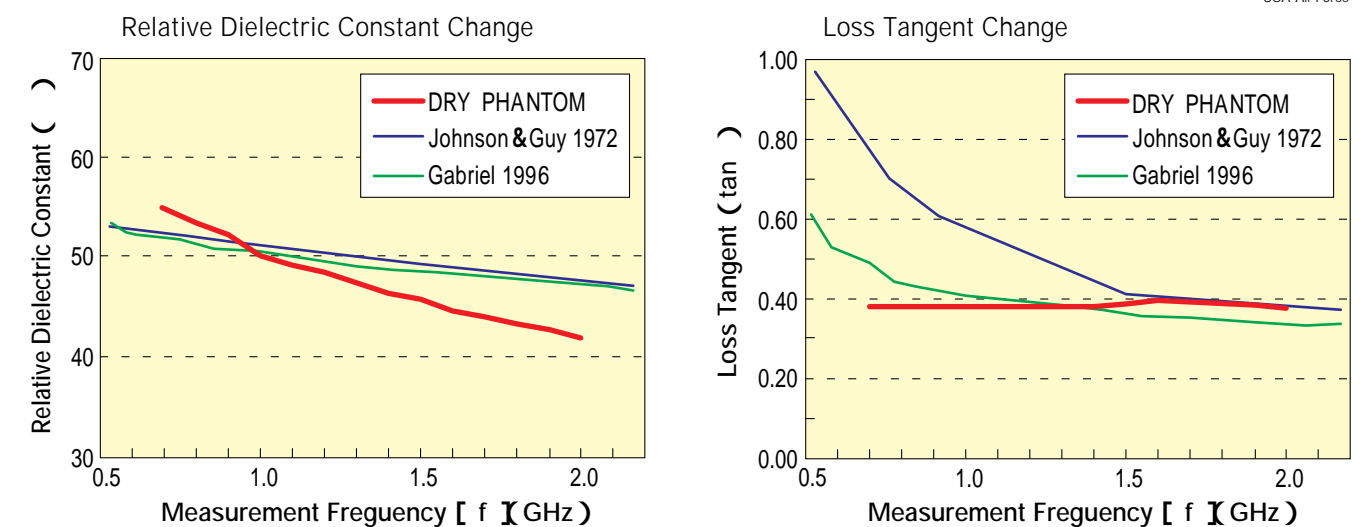
The Dry Phantom may be damaged or the user injured if it is dropped. Please wear non-slip gloves and safety boots when using the Dry Phantom.

If the Dry Phantom should become dirty, wipe the surface with an alcohol impregnated cloth. Pay attention to ventilation and fire risk when using alcohol. Do not wash the Dry Phantom with water or organic chemicals as these may cause the dielectric characteristics of the Dry Phantom to change.

Dimensions



Characteristics



Notice

Do not scratch or damage the surface of the Dry Phantom as it is easily damaged.

Do not stick adhesive tape on the Dry Phantom as the surface coating may be pulled off.

Store the Dry Phantom in the case provided after wrapping each part of the Dry Phantom in cushion. Store the Dry Phantom indoors in the following conditions - out of direct sunlight between the temperatures of -10 and 40 degrees centigrade. below a relative humidity of 90% where no dew can occur where there is no vibration.