# Pomona .

## Model 6705 Isolated BNC F/F Panel Connector for HDTV

CE

.47" .61" NUT (11,94mm) (15,5mm) WASHER /2-28 5/8' .38" .500' .625" (9,60mm) (12,50mm) (16,00mm) .41" (10,5mm) 1.30" MOUNTING HOLE (32,90mm)

### **Features:**

- ✓ True 75 ohm impedance.
- $\checkmark$  Designed to meet the rigid standards for HDTV.
- ✓ Panel isolated with black nickel plating for easily identification as an HDTV connector.
- $\checkmark$  Connectors are precision machined (not die-cast) from brass.
- ✓ Insulator material is high density PTFE to maintain a perfect dielectric constant.
- ✓ Connectors utilize gold plated contact pin to maintain low return loss in high definition applications.

#### **Materials:**

Connector Body:	Black nickel plated brass
Outer Contact:	Nickel plated brass
Female Contact Pin:	Gold plated brass
Insulator:	Polytetrafluorethylene (PTFE)

#### **Ratings:**

Impedance:	75 ohms
Frequency:	0 to 3 GHz.
VSWR:	1.3 max
Insertion Loss:	0.2 db (@ 3GHz.)
Leakage Loss:	-55 db (@ 3GHz.)
Contact Resistance:	3 Milliohms
Insulation Resistance:	5,000 Megohms
Insertions:	500
Temperature:	$-40^{\circ}$ F to $185^{\circ}$ F ( $-40^{\circ}$ C to $+85^{\circ}$ C)

Operating Voltage: Hands free usage in controlled voltage environments: 500 Vrms maximum. *For CE compliance*: not intended for hand-held use at voltages above 33 Vrms/70 Vdc.

All dimensions are in inches. Tolerances (except noted):  $.xx = \pm .02$ " (,51 mm),  $.xxx = \pm .005$ " (,127 mm). All specifications are to the latest revisions. Specifications are subject to change without notice. Registered trademarks are the property of their respective companies. Made in USA

