

RoHS Compliant

COAXIAL CONNECTORS

2008

CAT.NO.COAX-007A-E.FEB.2008

COAXIAL
CONNECTORS

- FREQUENCY RANGE TO 3GHz
- THREADED COUPLING (M29×1.5)

716 Series

Waterproof large sized coaxial connectors with rugged shells compliant with the general IEC60169-4 standard.

Panel mount type receptacles and jacks are available

Applicable frequencies : from DC up to 3GHz. High performance with a VSWR (voltage standing wave ratio) of 1.2 or less.

- Rugged and environmentally immune.
- Compatible with a wide variety of high power and low cost cables of large diameters.
- A high degree of reliability provides stable electric continuity and high frequency performance.
- Applications : Various Antennas for Mobile Communication Base Station or Microwave Wireless radios, Communications Equipment





SPECIFICATIONS

Characteristic Impedance	50 Ω
Frequency Range	DC to 3GHz
D. W. Voltage (Note)	AC3000Vr.m.s. (1minute)
Insulation Resistance	10 gigaohms min. (DC1000V)
Contact Resistance	Center Contacts : 0.8 milliohms max. Outer Contacts : 1.5 milliohms max.
V. S. W. R.	1.2 max. (DC to 3GHz)
Applicable Cables	2.5D-V

(Note) For the cable application type, the voltage is based on the specification of a cable.

Types

Receptacle	Jack
<ul style="list-style-type: none"> ● Panel Mount · Straight 4 Hole mount P/N : 716T001D00	<ul style="list-style-type: none"> ● Panel Mount · Straight 4 Hole mount P/N : 716H001D13
	

(Note) This series can be connected to general-purpose (IEC60169-4) plugs.

In addition to independent cable application type, we also harness products which satisfy your specification are available.

Refer to pages 109 to 111 for details.

Guide to Operation Manuals

When using any of these products, please confirm the operation manuals (JAHL-20051-1) .

MATERIALS/FINISHES

Description	Materials/Finishes
Socket Contacts	Receptacle : Copper Alloy/Silver Plated Jack : Copper Alloy/Gold Plated over Nickel
Pin Contacts	Receptacle : Copper Alloy/Silver Plated Jack : Copper Alloy/Gold Plated over Nickel
Outer Contacts	Receptacle : Copper Alloy/Silver Plated Jack : Copper Alloy/Gold Plated over Nickel
Insulator	PTFE
Shell	Copper Alloy/Nickel Plated
O-ring	Silicone Rubber (Black)
Ferrule	Copper Alloy/Nickel Plated

716 Series

RECEPTACLE

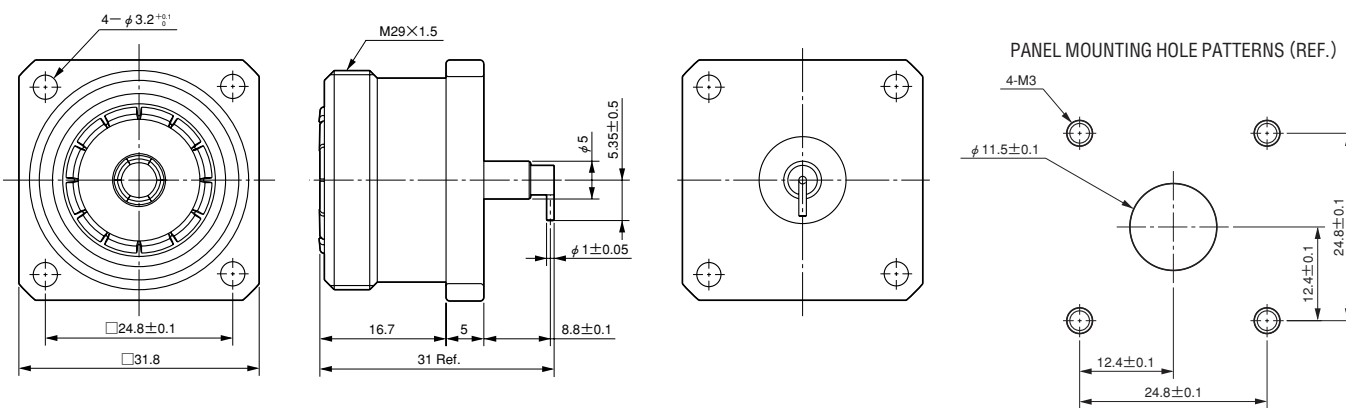
JACK

This series can be connected to general-purpose (IEC60169-4) plugs.

Dimensions in millimeters

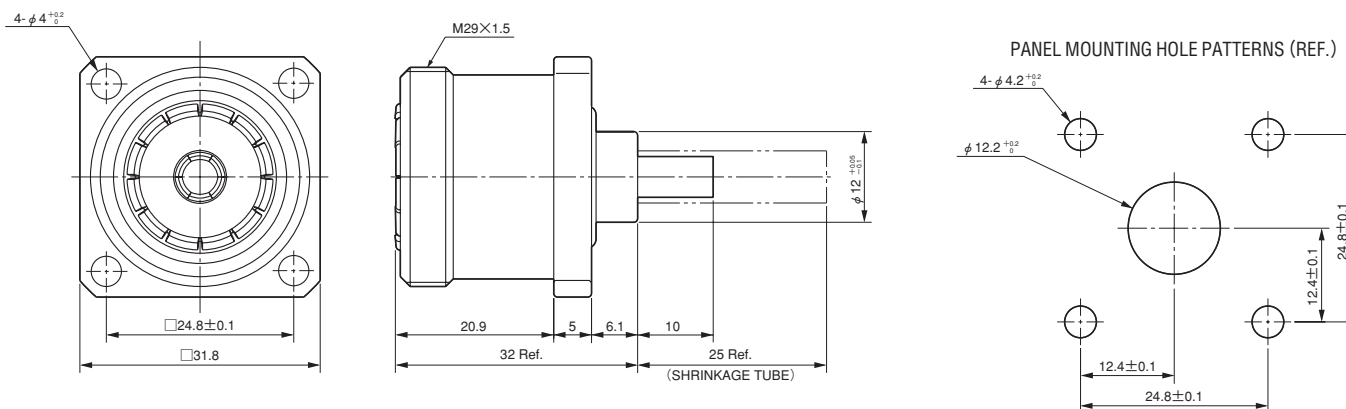


RECEPTACLE
 Panel mount · Straight · Four-hole Mount
 Part Number : 716T001D00



JACK
 Panel mount · Straight · Four-hole Mount
 Part Number : 716H001D13

Applicable Cables : 2.5D-2V Equivalent



(Note) Procedure for wire connection...See pages 113 to 120

Before placing an order

- ①The values specified in this catalogue are only for reference. The products and specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products. For purchase, a product specification must be agreed upon.
- ②Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.
- ③The products presented in this catalogue are designed for the uses recommended below. We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1)Applications that require consultation:

- (i)Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:
Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster prevention equipment, etc.
- (ii)We may separately give you our support with a quality assurance program that you specify, when you think of a use such as:
Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2)Recommended applications include:

Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc.

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