

## Model 6147 Triax to BNC, Model 7078-TRX-BNC 3-Slot Triax to BNC, and Model 4804 BNC to Triax Adapters

### MODEL 6147

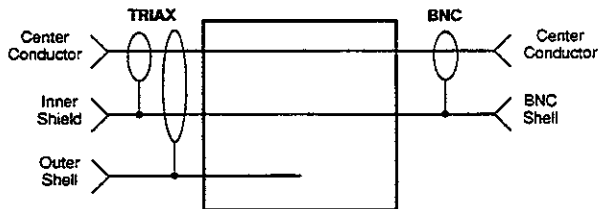
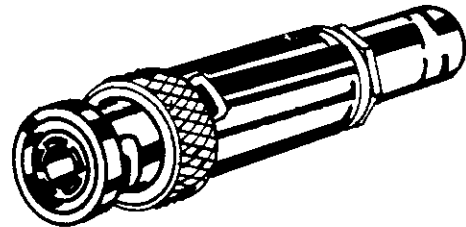
The Model 6147 is a 2-slot male triax to female BNC adapter. It can be used to adapt electrometer inputs (triax) to BNC cables and connections in a test system.

### MODEL 7078

The Model 7078-TRX-BNC is a male 3-slot triax to female BNC adapter. It can be used to connect BNC cables to equipment having female 3-lug triax connectors (such as Model 7072 Semiconductor Matrix Card).

#### WARNING

The case of the adapter is connected to the inner shield of the triaxial connector. When used with an electrometer or other instrument, input low or guard voltage will appear on the case of the adapter and any BNC connectors attached. To prevent electric shock, do not float inner shield more than 30V above earth ground.



### MODEL 4804

The Model 4804 is a 2-slot male BNC to 2-lug female triaxial adapter. It can be used to adapt triaxial cables to 2-lug BNC input connectors.

#### NOTE

Keep the connections free of contaminants (such as dirt, oil, etc.) in order to maintain maximum insulation resistance. If the connections become contaminated, clean them thoroughly with methanol and allow to dry completely before use.

## SPECIFICATIONS

Working Voltage:	500V peak center conductor to outer shell; 30V peak inner shield to outer shell.
Max Working Current:	1A peak.
Operating Environment:	0°C to 50°C, up to 70% RH at ≤35°C.
Contact Resistance:	<0.5Ω.
Insulation Resistance:	10 <sup>15</sup> Ω, center conductor to inner shield (500V test voltage, 23°C @ <40% RH).

## SAFETY WARNINGS

This adapter should only be used by qualified personnel who recognize shock hazards and are familiar with the safety precautions required to avoid possible injury.

The outer shell of the triaxial connector is for protection from voltages on the center and inner shield conductors. Make sure the outer shell is always connected to earth ground or a properly grounded chassis.

Never touch or change the connections when power is applied to the adapter. Always turn off test system power and discharge all capacitors before connecting or disconnecting the adapter.

To prevent voltages from being exposed or connections from shorting together, make sure both ends of the adapter are properly connected before applying voltage.