Description

The high-voltage 5 kV SHV male bulkhead connector is used to connect external equipment.

High-voltage installation:

1. Turn off power and allow all voltage to discharge.
2. Install the Model 2290-5-SHVBH SHV male bulkhead connector (see next figures).

Figure 1: Model 2290-5 SHV male bulkhead connector

![Figure 1: Model 2290-5 SHV male bulkhead connector](image)

Figure 2: Model 2290-5 SHV male bulkhead connector mounting dimensions

![Figure 2: Model 2290-5 SHV male bulkhead connector mounting dimensions](image)
Model 2290-5-SHVBH Connector

Characteristics

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal impedance</td>
<td>non-constant</td>
</tr>
<tr>
<td>Maximum operating voltage (RMS)</td>
<td>3500 RMS</td>
</tr>
<tr>
<td></td>
<td>5000 V DC</td>
</tr>
<tr>
<td>Insulation resistance</td>
<td>10E^6 MΩ</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-65°C to 165°C</td>
</tr>
<tr>
<td></td>
<td>(-85°F to +329°F)</td>
</tr>
</tbody>
</table>

Materials

A. Bodies and fittings: brass, QQ-B-626, alloy 360, 1/2 hard
B. Crimp sleeves: commercial bronze, alloy 220
C. Male center contact: brass, QQ-B-626, alloy 360, 1/2 hard
D. Outer contact: beryllium copper, ASTM-B-196
E. Insulator: PTFE, ASTM D1457
F. Gaskets and seals: silicone rubber, ZZ-R-765A, class IIA, grade 50
G. Contact finish: .0001 inch minimum, hard gold plate, MIL-G-45204B