Detector Mounts, XA-XF series
General Purpose Diode Mounts
DC - 18,000 MHz

Microlab XA and XF series diode mounts are general-purpose video detector mounts designed to accommodate commonly available diodes (e.g. point contact, Schottky, etc.). They are constructed in two detachable sections to allow access to the crystal. Both ends of the diode are held by beryllium copper contact springs to maintain uniform contact. Note that diode is not supplied.

The XA series are available with popular RF input and video output connectors. The XF series is provided only with SMA connectors. They are designed to cover broad frequency ranges, with or without a built-in DC return.

The XA series is designed to accommodate the ceramic cartridge style of diode (e.g. 1N21), while the XF series only accommodates the miniaturized diode (e.g. M/A-Com style 119). Units designed to meet special bandwidths, sizes, connectors, etc., are available on request. (8/08)

Connector Polarity:
Input-Male;
Output-Female

Diode:
Not Supplied

Temperature*:
-55°C to +150°C

Finish:
Silverplate to QQ-S-365

*When Used With High Temperature Diodes

Diode Case styles

<table>
<thead>
<tr>
<th>Case Style</th>
<th>2nd Character</th>
<th>Typical Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceramic Cartridge</td>
<td>A</td>
<td>XA-0040</td>
</tr>
<tr>
<td>Miniaturized</td>
<td>F</td>
<td>XF-0445</td>
</tr>
</tbody>
</table>

Model Selection and Length References (Bold Type for standards otherwise to order only)

<table>
<thead>
<tr>
<th>Frequency Range, MHz</th>
<th>Video Connector (f)</th>
<th>DC Return</th>
<th>Type N</th>
<th>BNC</th>
<th>TNC</th>
<th>SMA</th>
<th>SMA Standard*</th>
<th>SMA Short</th>
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</thead>
<tbody>
<tr>
<td>Reference Length in. (mm):</td>
<td>BNC</td>
<td>TNC</td>
<td>SMA</td>
<td>XA-0040</td>
<td>XA-0640</td>
<td>XA-0840</td>
<td>XA-1041</td>
<td>XA-1640</td>
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<tr>
<td>DC - 18,000</td>
<td>BNC</td>
<td>TNC</td>
<td>SMA</td>
<td>XA-0041</td>
<td>XA-0641</td>
<td>XA-0841</td>
<td>XA-1041</td>
<td>XA-1641</td>
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<tr>
<td>30 - 1,000</td>
<td>BNC</td>
<td>TNC</td>
<td>Yes</td>
<td>XA-2040</td>
<td>XA-2041</td>
<td>XA-2640</td>
<td>XA-2840</td>
<td>XA-2841</td>
</tr>
<tr>
<td>200 - 4,000</td>
<td>BNC</td>
<td>TNC</td>
<td>Yes</td>
<td>XA-2041</td>
<td>XA-2041</td>
<td>XA-2641</td>
<td>XA-2841</td>
<td>XA-2841</td>
</tr>
<tr>
<td>1,000 - 13,000</td>
<td>BNC</td>
<td>TNC</td>
<td>Yes</td>
<td>XA-3040</td>
<td>XA-3041</td>
<td>XA-3640</td>
<td>XA-3641</td>
<td>XA-3840</td>
</tr>
<tr>
<td>7,000 - 18,000</td>
<td>BNC</td>
<td>TNC</td>
<td>Yes</td>
<td>XA-4040</td>
<td>XA-4041</td>
<td>XA-4640</td>
<td>XA-4840</td>
<td>XA-4841</td>
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</tbody>
</table>

*available only in XA case style

- Coaxial Untuned Mounts
- Housings for most Detector Diodes
- Beryllium Copper Contacts
- Performance to 18 GHz
- Choice of N, BNC, TNC or SMA

Connector Polarity: Input-Male; Output-Female
Diode: Not Supplied
Temperature*: -55°C to +150°C
Finish: Silverplate to QQ-S-365

*When Used With High Temperature Diodes

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