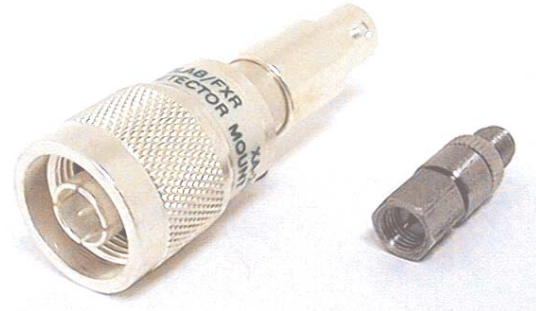


- ◆ Coaxial Untuned Mounts
- ◆ Housings for most Detector Diodes
- ◆ Beryllium Copper Contacts
- ◆ Performance to 18 GHz
- ◆ Choice of N, BNC, TNC or SMA



XA and miniature XF diode mounts

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

Case Style	2nd. Character	Typical Model Number
Ceramic Cartridge	A	XA-0040
Miniaturized	F	XF-0445

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

RF Connector (male)							
Frequency Range, MHz	Video Connector (f)	DC Return	Type N	BNC	TNC	SMA Standard*	SMA Short
Reference Length in. (mm):			2.4 (61)	2.3 (58)	2.3 (58)	2.0 (51)	1.0 (25.4)
DC - 18,000	BNC	No	XA-0040	XA-0640	XA-0840	-	-
	TNC		XA-0041	XA-0641	XA-0841	-	-
	SMA		-	-	-	XA-0445	XF-0445
30 - 1,000	BNC	Yes	XA-1040	XA-1640	XA-1840	-	-
	TNC		XA-1041	XA-1641	XA-1841	-	-
200 - 4,000	BNC	Yes	XA-2040	XA-2640	XA-2840	-	-
	TNC		XA-2041	XA-2641	XA-2841	-	-
1,000 - 13,000	BNC	Yes	XA-3040	XA-3640	XA-3840	-	-
	TNC		XA-3041	XA-3641	XA-3841	-	-
7,000 - 18,000	BNC	Yes	XA-4040	XA-4640	XA-4840	-	-
	TNC		XA-4041	XA-4641	XA-4841	-	-
	SMA		-	-	-	XA-4445	-

*available only in XA case style