COAXIAL

Coaxial is the description for electrical feedthroughs with parallel and concentric conductor paths, and with the inner most conductor path electrically isolated from the vacuum flange. Grounded Shield versions have one isolated path, and Floating Shield versions have two. Coaxial feedthroughs are single-ended or double-ended, and all types include air-side connectors.

MPF offers several mounting options for coaxial feedthroughs: Weldable, Quick Flange (QF), and Conflat Flange (CF). Most designs are also configured for Baseplate and NPT style adapters. Custom adapters, plates and flange configurations are available by request.

BNC and MHV

Bayonet Naval Connector (BNC) feedthroughs are very popular due to their quick connect coupling and compact overall size. BNC series are commonly used for low power transmission and are rated to 500 Volts DC.

Miniature High Voltage (MHV) feedthroughs are very similar to the BNC series, but the MHV series is capable of handling much higher power transmission. Although they are very similar in design, MHV and BNC connectors are not compatible. MHV feedthroughs and mating connectors are rated to 5000 Volts DC.





<u>SHV-5 and SHV-10</u>

Safe High Voltage (SHV) feedthroughs are like the MHV series, with the primary difference being the pin and contact configuration. SHV cable connectors have a recessed female contact which helps prevent shock hazards when the connector is disengaged.

This recessed contact design is an improvement over the MHV design, and becomes increasingly important in higher power applications. The SHV-5 and SHV-10 series are rated for up to 5 Amps and 5000 or 10,000 Volts DC respectively. Both are offered in single and double-ended versions.



SHV-20 and SHV-B

SHV-20 feedthroughs are rated for 20,000 Volts DC and up to 15 Amps. These specially designed interfaces incorporate standard high voltage contacts, and are designed for increased performance in pulsed high voltage applications.

SHV-B feedthroughs are designed for bakeout at higher temperatures than the other SHV series. The air-side cable connectors included with these feedthroughs utilize a ceramic dielectric material. SHV-B feedthroughs and connectors are rated for 7500 Volts DC and up to 3 Amps.



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Type N and SMA - Standard

Type N feedthroughs combine the most popular medium-sized high frequency connector with a feedthrough designed to perform in high and ultra-high vacuum applications. The standard Type N series is suitable for use to 1 GHz. Type N feedthroughs and mating connectors are rated for 500 Volts DC and up to 3 Amps.

Subminiature Type-A (SMA) feedthroughs are compact designs suited for mediumto-high frequency applications. Similar to the Type N series, the standard SMA series is suitable for use to 1 GHz. SMA feedthroughs and connectors are rated for 700 Volts DC and up to 1 Amp. The floating shield version is rated to 2500 Volts DC.

Type N and SMA - 50 Ohm - Matched Impedance

Both Type N and SMA feedthroughs are also offered with increased signal transmission performance. These high-vacuum feedthrough designs have been engineered for improved RF performance in high frequency applications up to 8 GHz.

Unlike the standard Type N and SMA feedthroughs which are intended for UHV applications, these matched impedance versions utilize a Teflon dielectric spacer. This design parameter optimizes electrical performance but requires consideration in some vacuum environments.

High Performance SMA rated to 18 Ghz also available.



Microdot and Between Series

Microdot style feedthroughs are the smallest UHV design with a threaded connector interface. This connector style is commonly used in vacuum coating applications, particularly in the construction of crystal sensor deposition monitors.

Crystal Sensor assemblies often utilize a BNC-Microdot 'between series' feedthrough, which is designed with a BNC connection on the air-side and a Microdot connection on the vacuum-side. Standard configurations available.

Type N to SMA feedthroughs are typically used in Beam Position Monitor (BPM) applications. Single, double, and custom configurations are available.

Operating Conditions

The electrical and thermal ratings specified are safe operating limits determined by various factors including material properties, mechanical design, and the intended operating environment. All electrical ratings are based on operation with one side in dry atmosphere and the other side in vacuum of 1 x 10⁻⁴ Torr maximum pressure. Temperature ratings for various mounting options may reduce the operating range of an assembly. All assemblies have a maximum thermal gradient of 25°C per minute and may be damaged if this limit is exceeded.



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Section 5:

Section	Туре	Sub-type	Grounded / Floating Shield	Single / Double Ended
5.1	BNC		Grounded	Single / Double
5.1	DINC		Floating	Single / Double
5.2	MHV		Grounded	Single / Double
J.Z			Floating	Single / Double
		SHV-5	Grounded	Single / Double
		SHV-5	Floating	Single
5.3	5.3 SHV	SHV-10	Grounded	Single / Double
		SHV-20	Grounded	Single
		SHV-B	Grounded	Single
F 4	Turne N	Standard	Grounded	Single
5.4	Туре N	High Frequency	Grounded	Single / Double
		Standard	Grounded	Single
5.5	SMA	Standard	Floating	Single
		High Frequency	Grounded	Single / Double
5.6	Microdot		Grounded	Single
E 7	Between	BNC to Microdot	Grounded	Double
5.7	Series	Type N to SMA	Grounded	Double

WSA

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Contents

Electrical Rating	Thermal Rating	Conductor	Impedance	Pages
Voltage: 500 Volts DC Current: 3 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	Non-constant	124-135
Voltage: 2500 Volts DC Current: 3 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	Non-constant	124-135
Voltage: 5000 Volts DC Current: 3 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	Non-constant	100 140
Voltage: 2500 Volts DC Current: 3 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	Non-constant	136-146
Voltage: 5000 Volts DC Current: 5 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	Nickel	Non-constant	
Voltage: 2500 Volts DC Current: 5 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	Nickel	Non-constant	
Voltage: 10,000 Volts DC Current: 5 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	Nickel	Non-constant	147-163
Voltage: 20,000 Volts DC Current: 15 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	Nickel	Non-constant	*
Voltage: 7500 Volts DC Current: 3 Amps	Feedthrough: -200 to 450°C Air-side Connector: -200 to 300°C	304 Stainless Steel	Non-constant	
Voltage: 500 Volts DC Current: 3 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	Non-constant	404 400
Voltage: 500 Volts DC Current: 3 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	50 Ohms	164-166
Voltage: 700 Volts DC Current: 1 Amp	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	Non-constant	
Voltage: 2500 Volts DC Current: 1 Amp	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	Non-constant	167-171
Voltage: 700 Volts DC Current: 1 Amp	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	50 Ohms	
Voltage: 500 Volts DC Current: 2 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	Molybdenum	Non-constant	172
Voltage: 500 Volts DC Current: 2 Amps	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	Non-constant	170 177
Voltage: 500 Volts DC Current: 1 Amp	Feedthrough: -200 to 450°C Air-side Connector: -65 to 165°C	304 Stainless Steel	Non-constant	173-177

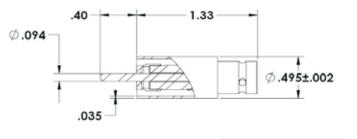
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All-side connector included

Grounded Shield – Single-ended

WELDABLE

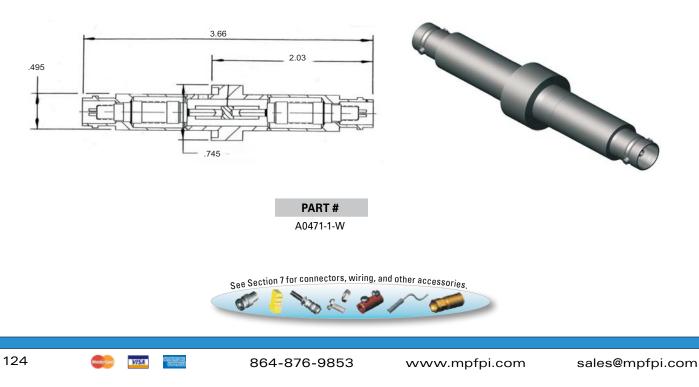




MPF.

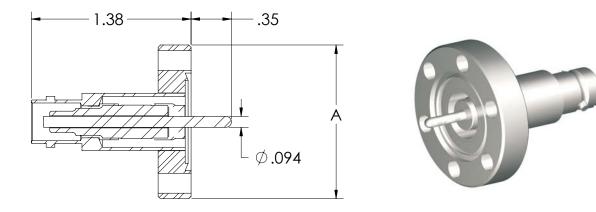
PART # A0059-1-W A0059-2-W (w/o connector)

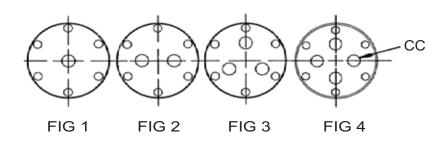
Grounded Shield – Double-ended WELDABLE





Grounded Shield – Single-ended CONFLAT FLANGE





PINS	FIG	CF FLANGE	Α	CC	PART #
1	1	CF16	1.33		A0237-1-CF
1	1	CF40	2.75		A0289-1-CF
2	2	CF40	2.75	.75	A0291-1-CF
3	3	CF40	2.75	.95	A0293-1-CF
4	4	CF40	2.75	.95	A0295-1-CF

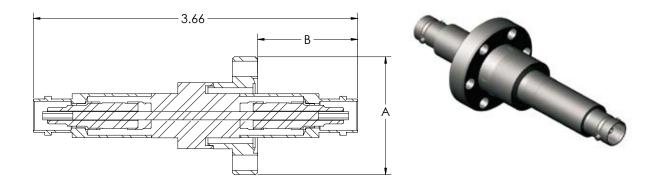


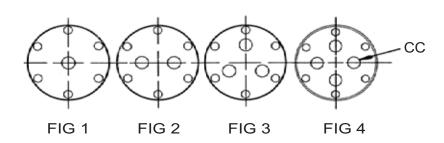
COAXIA





Grounded Shield – **Double-ended CONFLAT FLANGE**





PINS	FIG	CF FLANGE	Α	В	СС	PART #
1	1	CF16	1.33	1.14		A0472-1-CF
1	1	CF40	2.75	1.58		A0473-1-CF
2	2	CF40	2.75	1.58	.75	A0473-3-CF
3	3	CF50	3.38	1.58	.95	A0473-5-CF
4	4	CF63	4.50	1.58	.95	A7231-1-CF



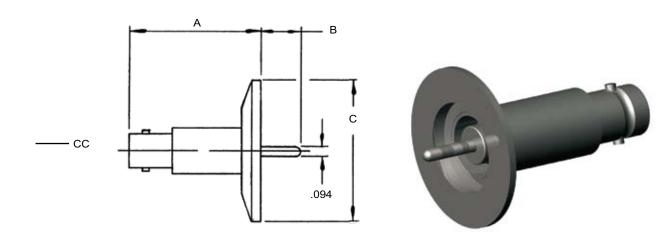
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W54



Grounded Shield – Single-ended QUICK FLANGE



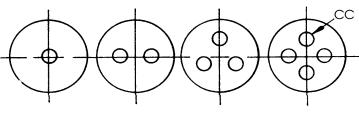


FIG 1

FIG 2 FIG 3

FIG 4

PINS	FIG	Α	В	С	CC	PART #
1	1	1.43	.30	1.18		A0476-1-QF
1	1	1.33	.40	2.16		A0476-2-QF
2	2	1.33	.40	2.16	.75	A0476-3-QF
3	3	1.33	.40	2.95	.95	A0476-4-QF
4	4	1.33	.40	2.16	.75	A6984-1-QF
4	4	1.33	.40	2.95	.95	A0476-5-QF



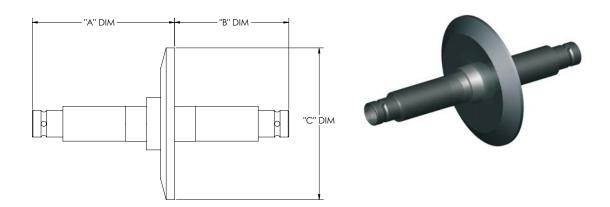


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Grounded Shield – Double-ended



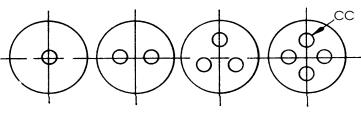


FIG 1

FIG 2

FIG 3

FIG 4

PINS	FIG	Α	В	С	CC	PART #
1	1	1.13	2.53	1.18		A0479-1-QF
1	1	2.03	1.63	2.16		A0478-3-QF
2	2	2.03	1.63	2.95	.75	A0478-5-QF
3	3	2.03	1.63	2.95	.95	A0478-7-QF
4	4	2.03	1.63	2.95	.95	A7111-1-QF

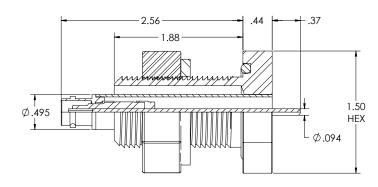


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WS4



Grounded Shield 1" BASEPLATE

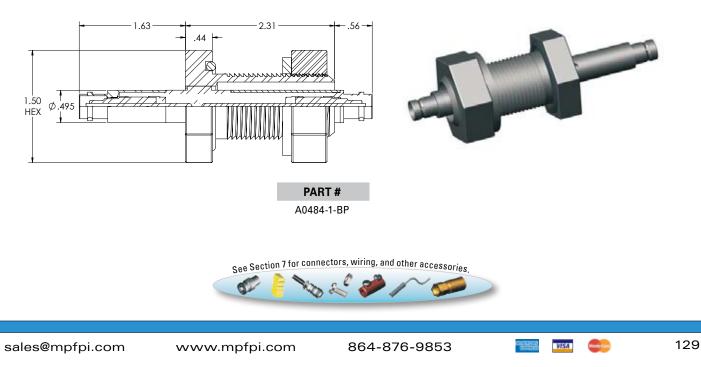




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Grounded Shield — Double-ended 1" BASEPLATE



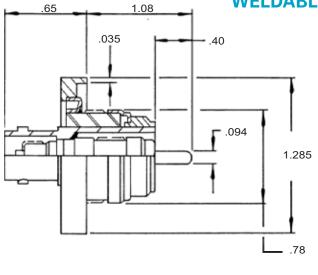


BNC 500 Volts DC / 3 Amps

Air-side Connector Included

Floating Shield



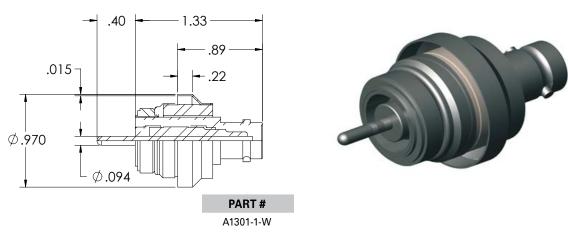




MPF

PART # A0302-1-W

Floating Shield WELDABLE





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WS4



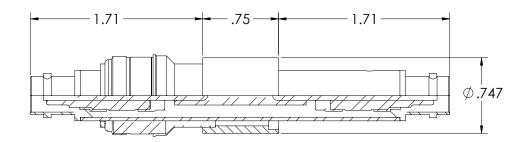


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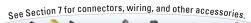
BNC 500 Volts DC / 3 Amps Air-side Connector Included

Floating Shield – Double-ended WELDABLE





PART # A0466-1-W





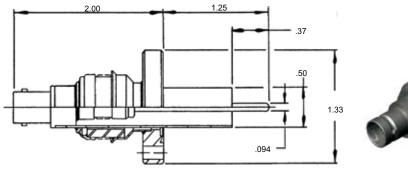


BNC 500 Volts DC / 3 Amps

Air-side Connector Included

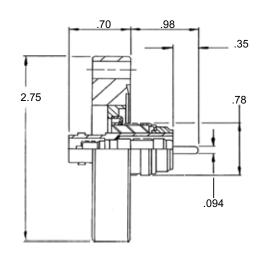
Floating Shield – Single-ended

CONFLAT FLANGE





PART # A0310-1-CF







See Section 7 for connectors, wiring, and other accessories.



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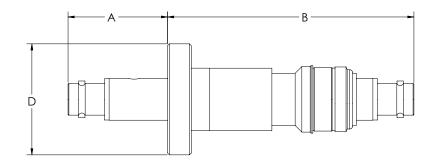
WS4





Floating Shield – Double-ended CONFLAT FLANGE





PINS	CF FLANGE	Α	В	D	PART #
1	CF16	1.21	2.96	1.33	A0474-1-CF
1	CF40	1.66	2.51	2.75	A0475-1-CF

See Section 7 for connectors, wiring, and other accessories.



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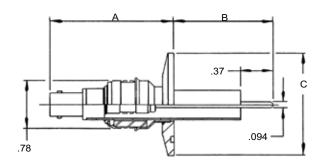




BNC 500 Volts DC / 3 Amps

Air-side Connector Included

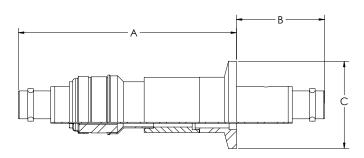
Floating Shield – Single-ended QUICK FLANGE





PINS	Α	В	С	PART #
1	2.59	0.67	1.18	A0315-1-QF
1	2.09	1.17	2.16	A0315-3-QF

Floating Shield – Double-ended QUICK FLANGE



W54

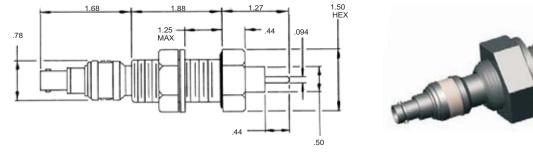


PINS	Α	В	С	PART #
1	2.96	1.21	1.18	A0480-1-QF
1	2.46	1.71	2.16	A0481-1-QF





> **Floating Shield 1" BASEPLATE**



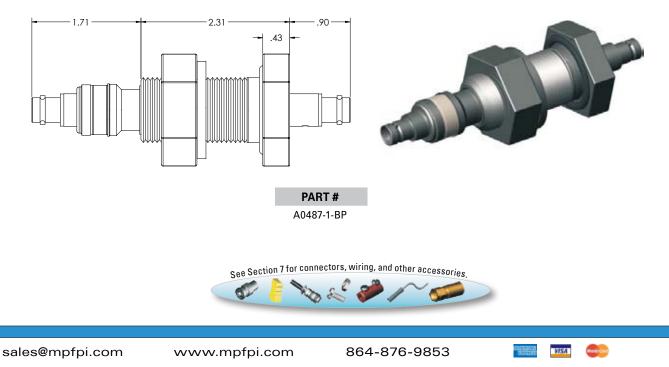




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Floating Shield – Double-ended
1" BASEPLATE

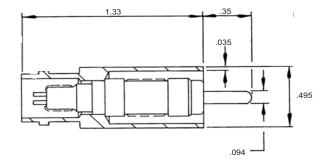




MHV 5000 Volts DC / 3 Amps

Air-side Connector Included

Grounded Shield WELDABLE

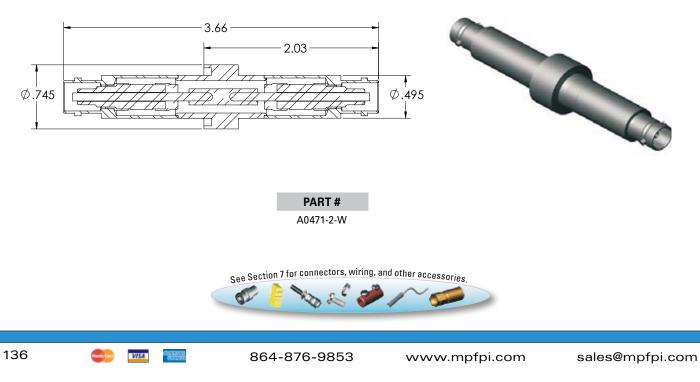




MP E

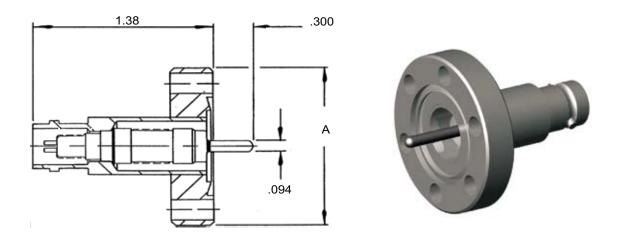
PART #		
A0058-1-W		
A0058-2-W (w/o connector)		

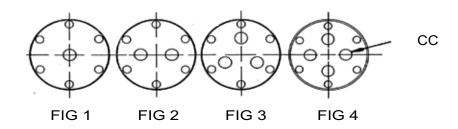
Grounded Shield – Double-ended WELDABLE





Grounded Shield — Single-ended CONFLAT FLANGE





PINS	CF FLANGE	Α	СС	PART #
1	CF16	1.33		A0238-1-CF
1	CF40	2.75		A0290-1-CF
2	CF40	2.75	.75	A0292-1-CF
3	CF40	2.75	.95	A0294-1-CF
4	CF40	2.75	.95	A0296-1-CF



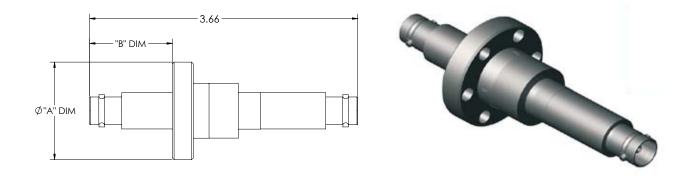
864-876-9853

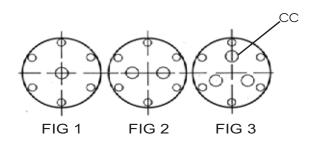
CUAXIA





Grounded Shield – Double-ended CONFLAT FLANGE





PINS	FIG	CF FLANGE	А	В	CC	PART #
1	1	CF16	1.33	1.13		A0472-2-CF
1	1	CF40	2.75	1.58		A0473-2-CF
2	2	CF40	2.75	1.58	.75	A0473-4-CF
3	3	CF50	3.38	1.58	.95	A0473-6-CF

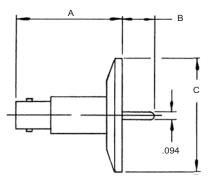


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Grounded Shield – Single-ended

QUICK FLANGE

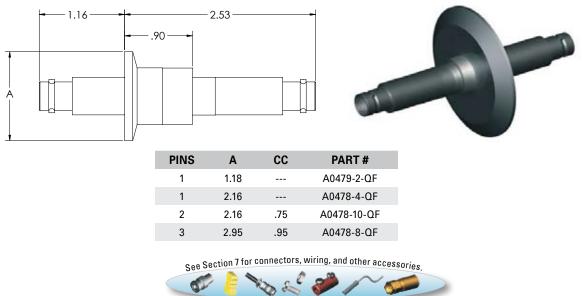




CUAXIA

PINS	Α	В	С	СС	PART #
1	1.43	.25	1.18		A0477-1-QF
1	1.33	.35	2.16		A0477-2-QF
2	1.33	.35	2.16	.75	A0477-3-QF
3	1.33	.35	2.95	.95	A0477-4-QF
4	1.33	.35	2.16	.75	A6984-2-QF
4	1.33	.35	2.95	.95	A0477-5-QF

Grounded Shield – Double-ended QUICK FLANGE



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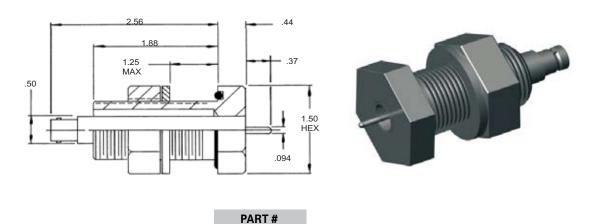


MHV 5000 Volts DC / 3 Amps

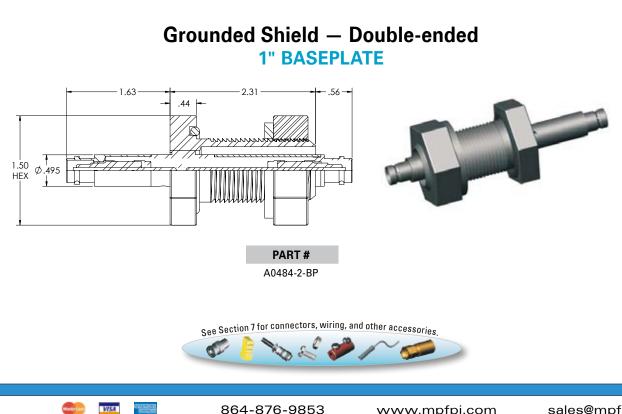
Air-side Connector Included

Grounded Shield – Single-ended

1" BASEPLATE



A0482-1-BP



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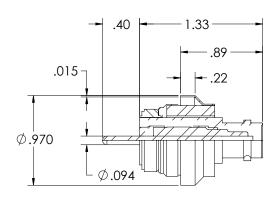
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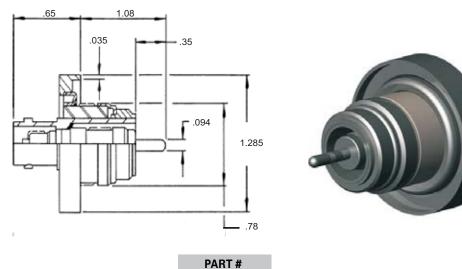


Floating Shield — Single-ended WELDABLE









A0303-1-W

See Section 7 for connectors, wiring, and other accessories.







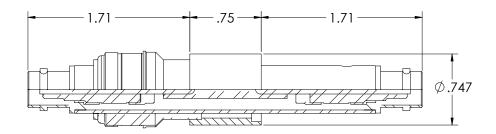
142



MHV 5000 Volts DC / 3 Amps Air-side Connector Included

Floating Shield – Double-ended WELDABLE





PART # A0466-2-W

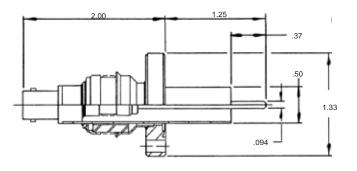
See Section 7 for connectors, wiring, and other accessories



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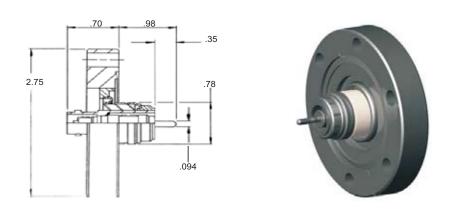
Floating Shield — Single-ended **CONFLAT FLANGE**





COAXIA





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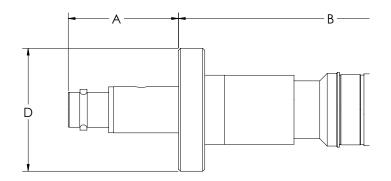
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Floating Shield – Double-ended CONFLAT FLANGE





PINS	CF FLANGE	Α	В	D	PART #
1	CF16	1.21	2.96	1.33	A0474-2-CF
1	CF40	1.66	2.51	2.75	A0475-2-CF

See Section 7 for connectors, wiring, and other accessories.



WS/I

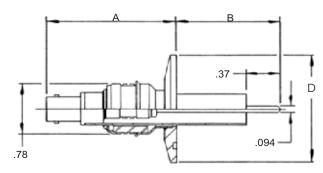
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Floating Shield – Single-ended

QUICK FLANGE

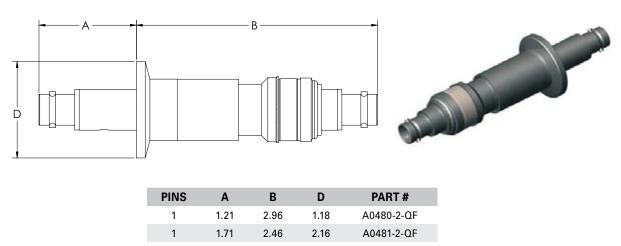


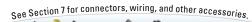


CUAXIA

PINS	Α	В	D	PART #
1	2.59	.67	1.18	A0316-1-QF
1	2.09	1.17	2.16	A0316-3-QF

Floating Shield – Double-ended QUICK FLANGE









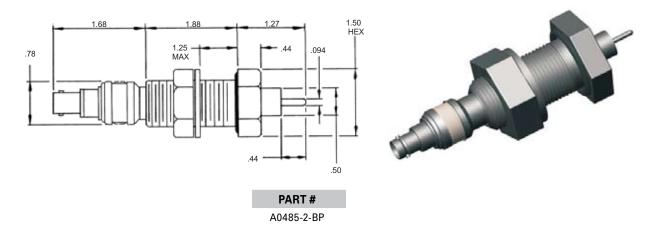


MHV 5000 Volts DC / 3 Amps

Air-side Connector Included

Floating Shield — Single-ended

1" BASEPLATE



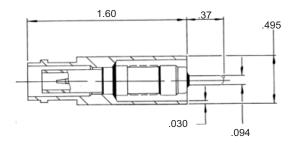
Floating Shield – Double-ended 1" BASEPLATE





Grounded Shield – Recessed

WELDABLE



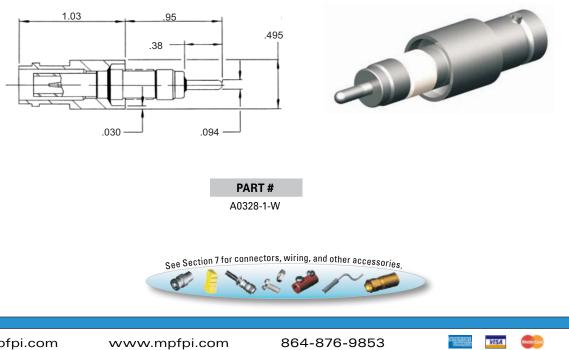


COAXIA

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PART #	
A0152-1-W	

Grounded Shield – Exposed WELDABLE



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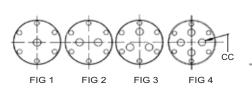
SHV-5

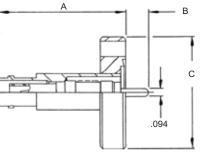
5000 Volts DC / 5 Amps

Air-side Connector Included

Grounded Shield – Recessed

CONFLAT FLANGE

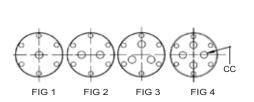




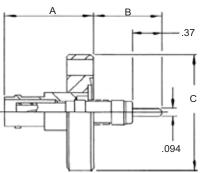


PINS	FIG	Α	В	С	CC	PART #
1	1	1.65	.32	1.33		A0330-1-CF
1	1	1.65	.32	2.75		A0331-1-CF
2	2	1.65	.32	2.75	.75	A0332-1-CF
3	3	1.65	.32	2.75	.95	A0333-1-CF
4	4	1.65	.32	2.75	.95	A0334-1-CF

Grounded Shield – Exposed CONFLAT FLANGE

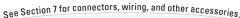


W54





PINS	FIG	Α	В	С	CC	PART #
1	1	1.08	.86	1.33		A0335-1-CF
1	1	1.08	.86	2.75		A0336-1-CF
2	2	1.08	.86	2.75	.75	A0337-1-CF
3	3	1.08	.86	2.75	.95	A0338-1-CF
4	4	1.08	.86	2.75	.95	A0339-1-CF







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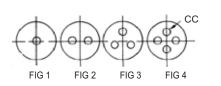


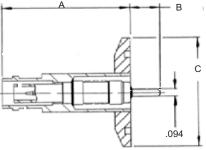
SHV-5 5000 Volts DC / 5 Amps

Air-side Connector Included

Grounded Shield – Recessed

QUICK FLANGE



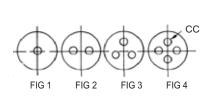


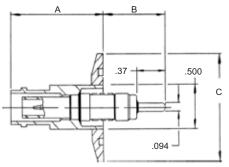


COAXIA

PINS	FIG	Α	В	С	CC	PART #
1	1	1.70	.27	1.18		A0340-1-QF
1	1	1.60	.37	2.16		A0341-1-QF
2	2	1.60	.37	2.16	.75	A0342-1-QF
3	3	1.60	.37	2.95	.95	A0343-1-QF
4	4	1.60	.37	2.16	.75	A6984-3-QF
4	4	1.60	.37	2.95	.95	A0344-1-QF

Grounded Shield – Exposed QUICK FLANGE







PINS	FIG	Α	В	С	CC	PART #
1	1	1.13	.81	1.18		A0345-1-QF
1	1	1.03	.91	2.16		A0346-1-QF
2	2	1.03	.91	2.16	.75	A0347-1-QF
3	3	1.03	.91	2.95	.95	A0348-1-QF
4	4	1.03	.91	2.95	.95	A0349-1-QF

See Section 7 for connectors, wiring, and other accessories.



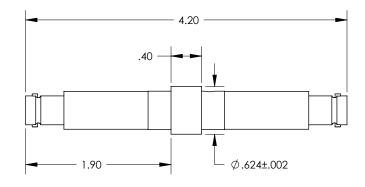






Grounded Shield – Double-ended WELDABLE







See Section 7 for connectors, wiring, and other accessories.



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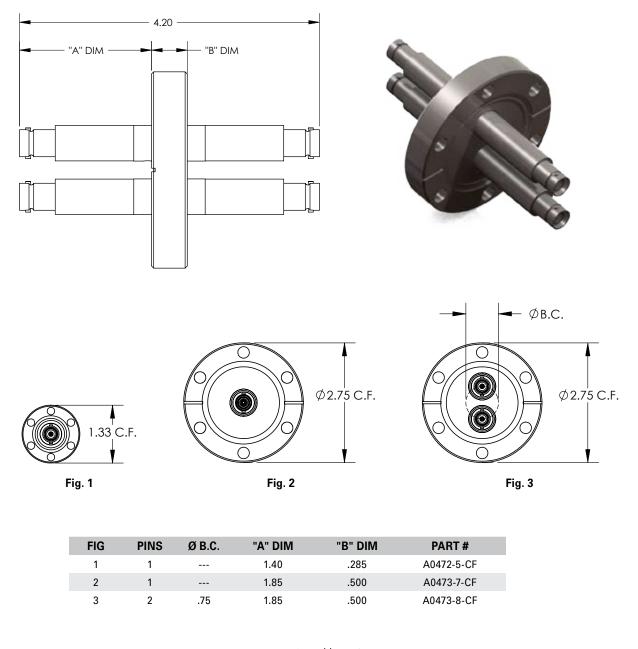
WS4

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Grounded Shield – Double-ended CONFLAT FLANGE





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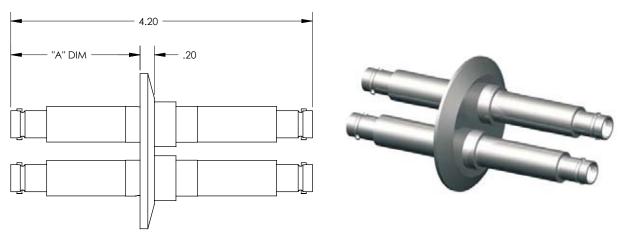


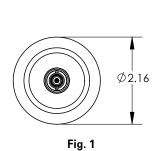
SHV-5 5000 Volts DC / 5 Amps

Air-side Connector Included

Grounded Shield – Double-ended

QUICK FLANGE





WS4

¢B.C. ¢2.16 Fig. 2

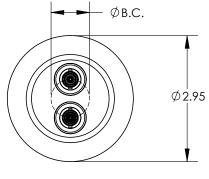


Fig. 3

FIG	PINS	Ø B.C.	"A" DIM	PART #
1	1		1.80	A8271-1-QF
2	2	.75	1.80	A0859-1-QF
3	2	.90	1.90	A6974-1-QF



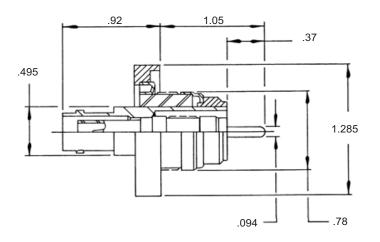






Floating Shield — Single-ended WELDABLE





PART # A0329-1-W

See Section 7 for connectors, wiring, and other accessories.



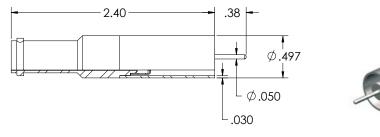


SHV-10 10,000 Volts DC / 5 Amps

Air-side Connector Included

Grounded Shield – Recessed

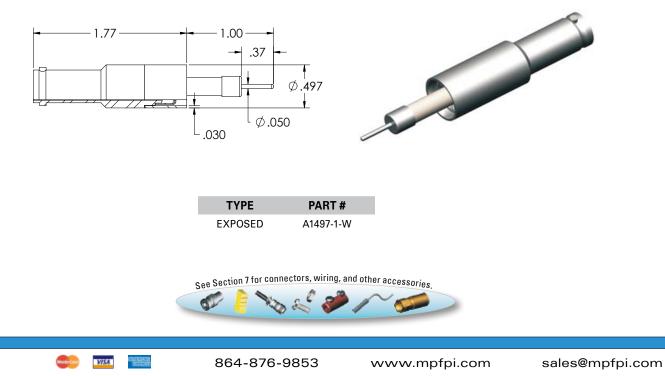
WELDABLE













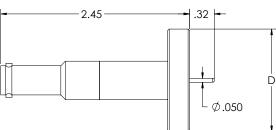


Grounded Shield – Recessed

CONFLAT FLANGE









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PINS	FIG	D	CC	PART #
1	1	1.33 / CF16		A1600-1-CF
1	1	2.75 / CF40		A1600-2-CF
2	2	2.75 / CF40	.75	A1600-3-CF
3	3	2.75 / CF40	.75	A1600-4-CF
4	4	2.75 / CF40	.95	A1600-5-CF

Grounded Shield – Exposed CONFLAT FLANGE





Fig. 2

































































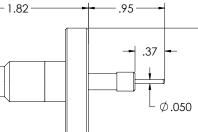














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PINS	FIG	D	CC	PART #
1	1	1.33 / CF16		A1601-1-CF
1	1	2.75 / CF40		A1601-2-CF
2	2	2.75 / CF40	.75	A1601-3-CF
3	3	2.75 / CF40	.75	A1601-4-CF
4	4	2.75 / CF40	.95	A1601-5-CF

See Section 7 for connectors, wiring, and other accessories.



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SHV-10

10,000 Volts DC / 5 Amps

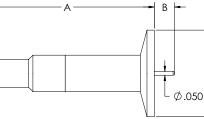
Air-side Connector Included

Grounded Shield – Recessed

QUICK FLANGE



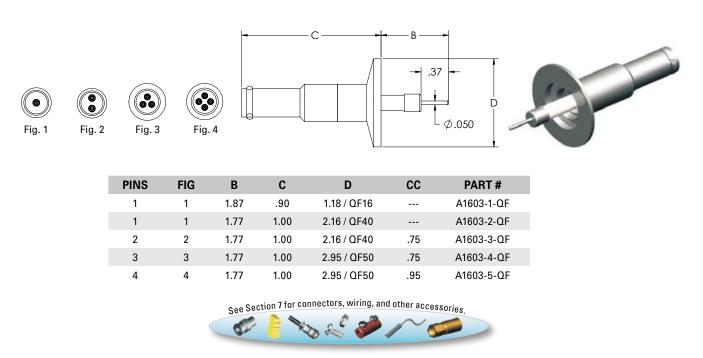






PINS	FIG	Α	В	D	CC	PART #
1	1	2.49	.28	1.18 / QF16		A1602-1-QF
1	1	2.39	.28	2.16 / QF40		A1602-2-QF
2	2	2.39	.28	2.16 / QF40	.75	A1602-3-QF
3	3	2.39	.28	2.95 / QF50	.75	A1602-4-QF
4	4	2.39	.28	2.95 / QF50	.95	A1602-5-QF

Grounded Shield – Exposed QUICK FLANGE



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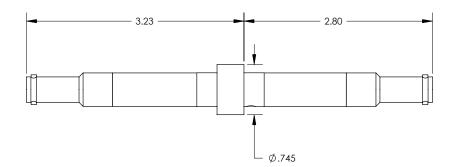




SHV-10 10,000 Volts DC / 5 Amps Air-side Connector Included

Grounded Shield – Double-ended WELDABLE





PART #
A2613-3-W

See Section 7 for connectors, wiring, and other accessories.









SHV-10 10,000 Volts DC / 5 Amps Air-side Connector Included

Grounded Shield – Double-ended CONFLAT FLANGE

"A" DIM "B" DIM -- "C" DIM

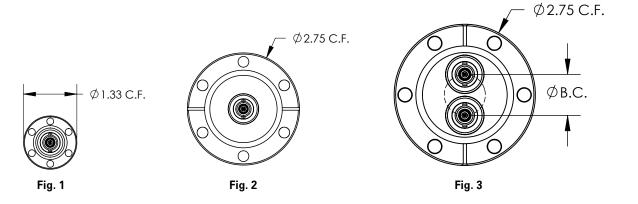


FIG	PINS	Ø B.C.	"A" DIM	"B" DIM	"C" DIM	PART #
1	1		3.73	2.30	.285	A8272-1-CF
2	1		3.28	2.75	.500	A8272-2-CF
3	2	.80	3.28	2.75	.500	A8272-3-CF





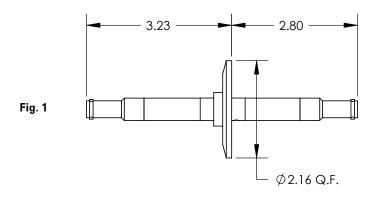
WS4



SHV-10 10,000 Volts DC / 5 Amps Air-side Connector Included

Grounded Shield - Double-ended

QUICK FLANGE



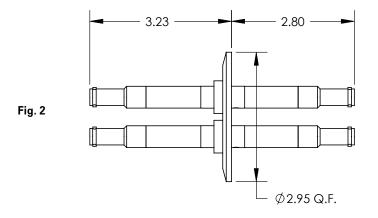




FIG	PINS	PART #	
1	1	A8273-1-QF	
2	2	A8273-2-QF	

See Section 7 for connectors, wiring, and other accessories.



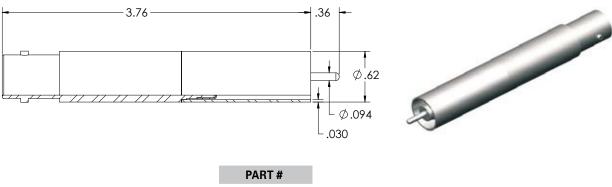
864-876-9853



SHV-20 20,000 Volts DC / 15 Amps Air-side Connector Included

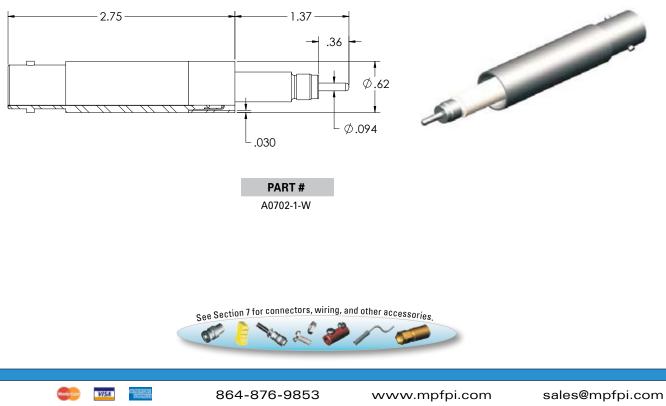
Grounded Shield – Recessed

WELDABLE



A0701-1-W

Grounded Shield – Exposed WELDABLE

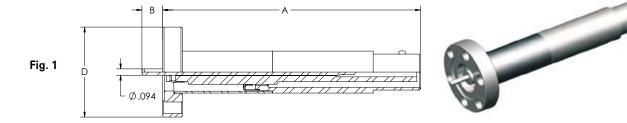


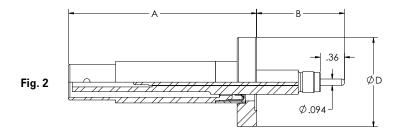
160



SHV-20 20,000 Volts DC / 15 Amps Air-side Connector Included

Grounded Shield — Recessed and Exposed CONFLAT FLANGE







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PINS	FIG	TYPE	Α	В	D	CC	PART #
1	1	RECESSED	3.80	.32	1.33 / CF16		A0703-1-CF
1	1	RECESSED	3.80	.32	2.75 / CF40		A2095-1-CF
2	1	RECESSED	3.80	.32	2.75 / CF40	.95	A2300-1-CF
1	2	EXPOSED	2.80	1.32	1.33 / CF16		A0704-1-CF
1	2	EXPOSED	2.80	1.32	2.75 / CF40		A1909-1-CF
2	2	EXPOSED	2.80	1.32	2.75 / CF40	.95	A2099-1-CF



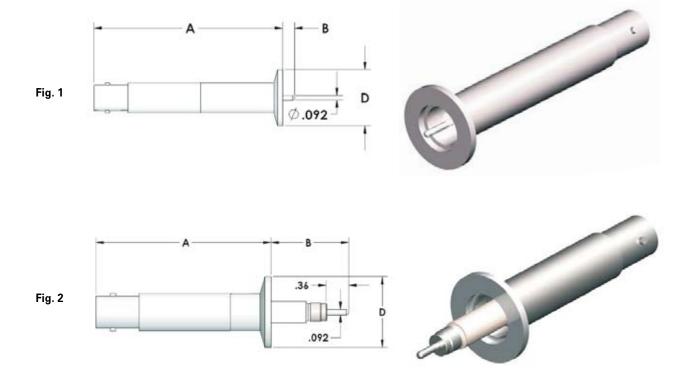
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SHV-20 20,000 Volts DC / 15 Amps Air-side Connector Included

Grounded Shield — Recessed and Exposed QUICK FLANGE



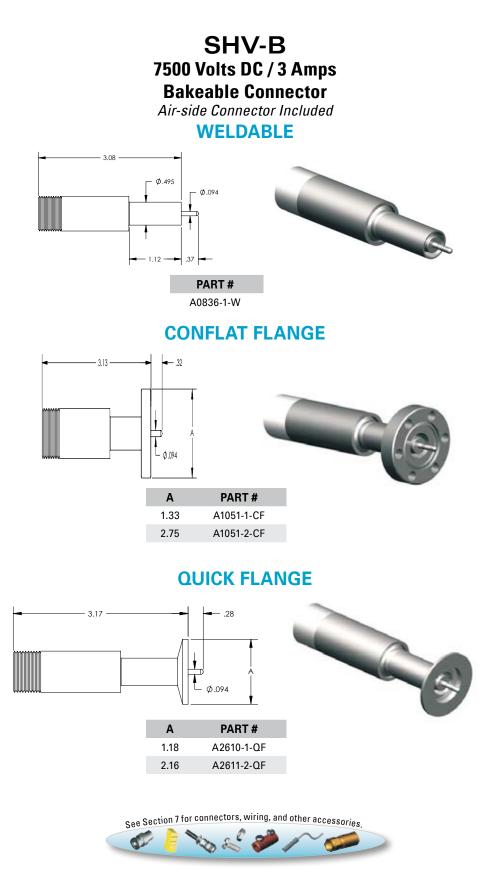
PINS	FIG	TYPE	Α	В	D	CC	PART #
1	1	RECESSED	3.85	.27	1.18 / QF16		A2096-1-QF
1	1	RECESSED	3.80	.37	2.16 / QF40		A2096-2-QF
2	2	RECESSED	3.80	.37	2.95 / QF50	.95	A2302-1-QF
1	1	EXPOSED	2.85	1.27	1.18 / QF16		A2094-1-QF
1	1	EXPOSED	2.75	1.37	2.16 / QF40		A2094-2-QF
2	2	EXPOSED	2.75	1.37	2.95 / QF50	.95	A2301-1-QF





W54

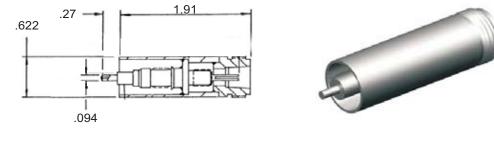




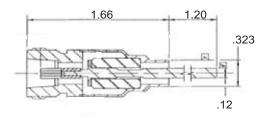








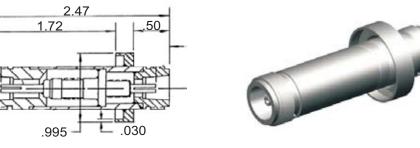












TYPE PART # DOUBLE-ENDED A0659-1-W





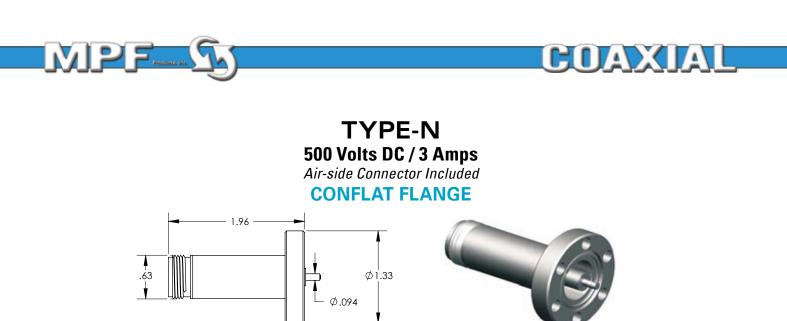


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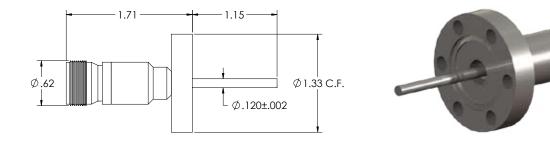
164

WS4

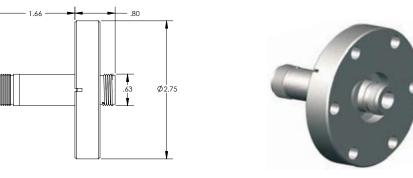








TYPE PART # SINGLE-ENDED / 50 Ohms A2714-1-CF



TYPE DOUBLE-ENDED

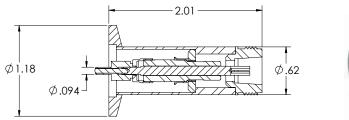
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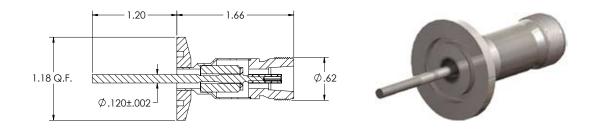


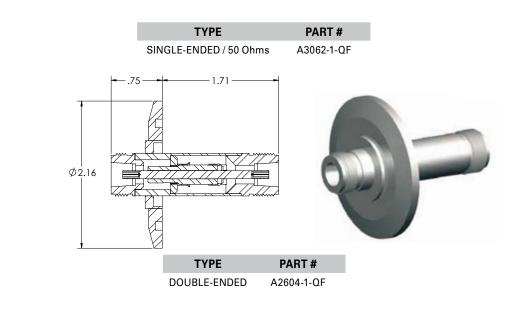
TYPE-N 500 Volts DC / 3 Amps Air-side Connector Included QUICK FLANGE





TYPEPART #SINGLE-ENDEDA2247-1-QF

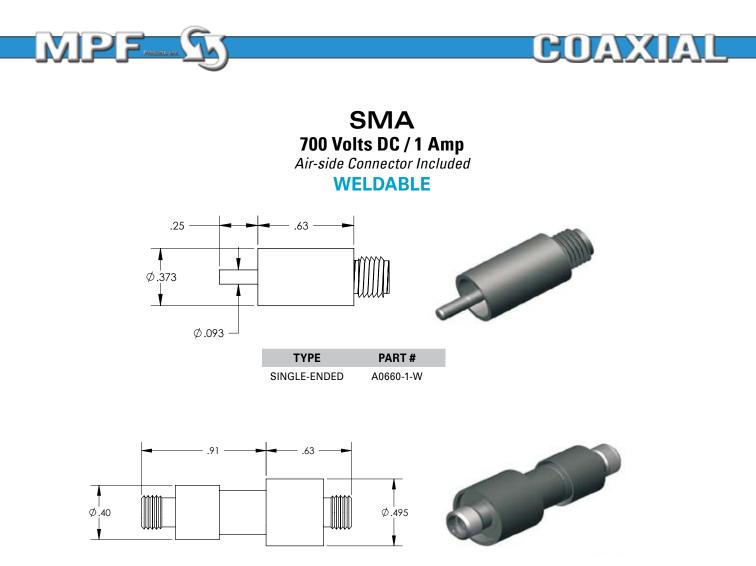




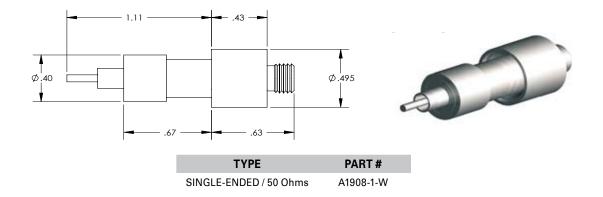


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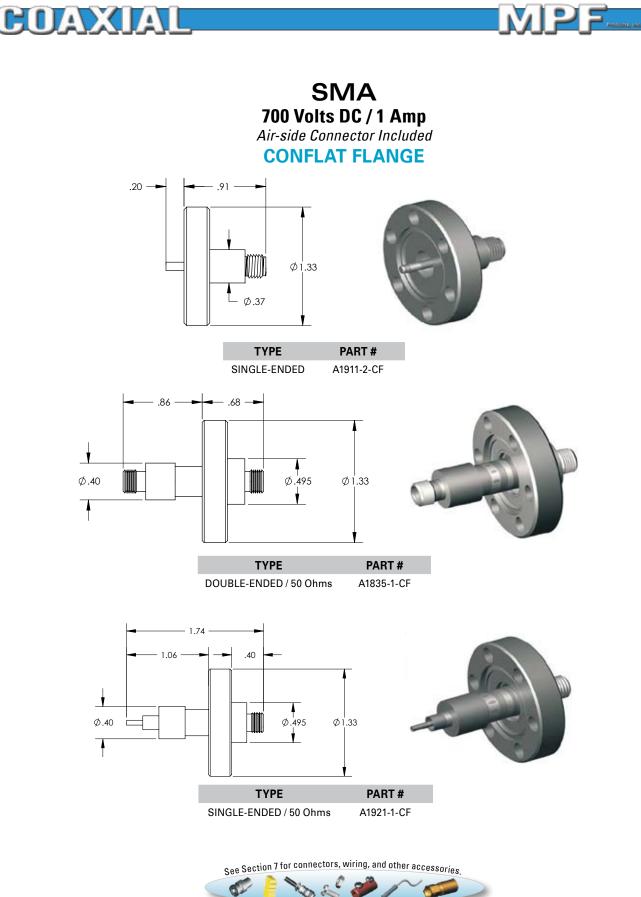












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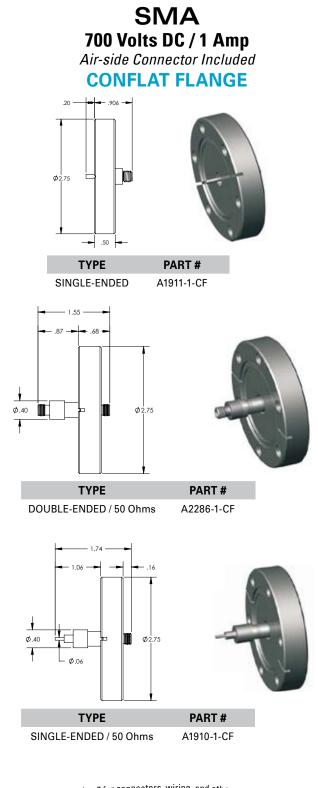
W54

864-876-9853

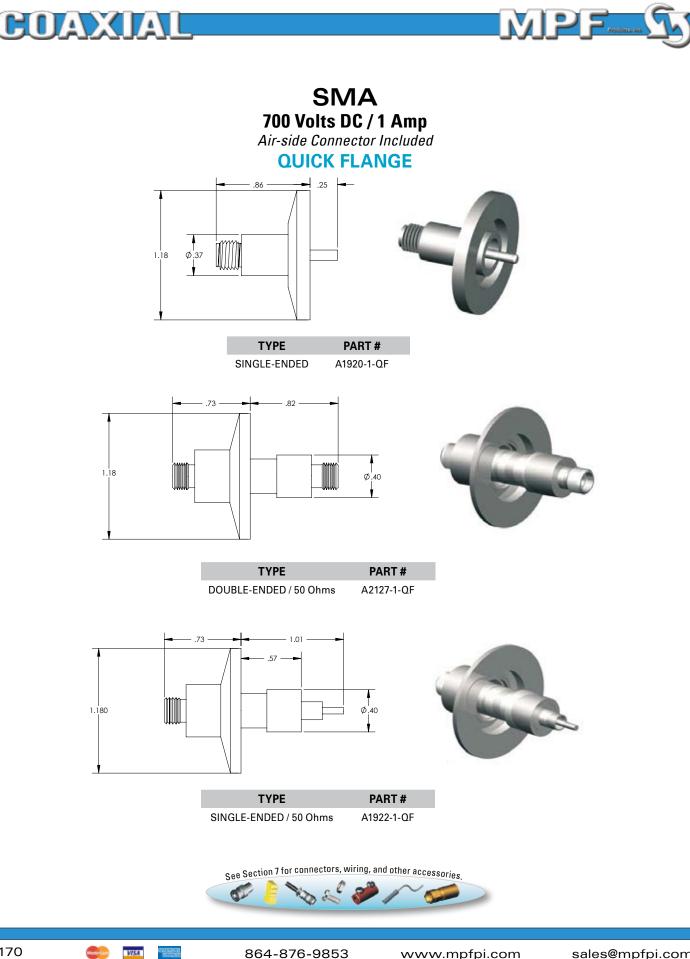
www.mpfpi.com







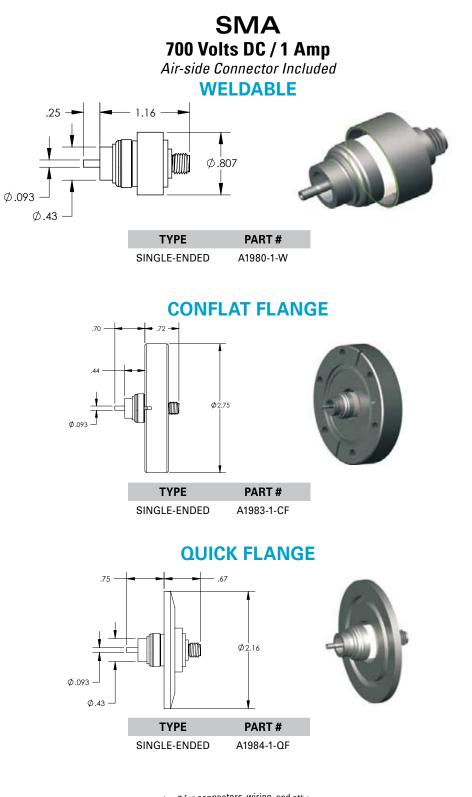
See Section 7 for connectors, wiring, and other accessories.



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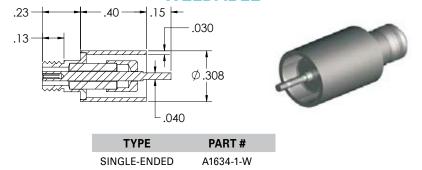


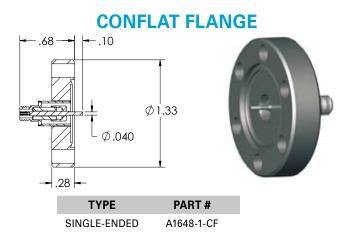


500 Volts DC / 2 Amps

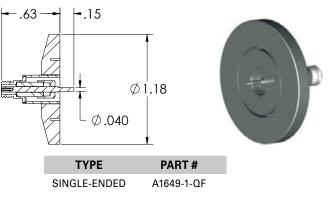
Air-side Connector Included

WELDABLE





QUICK FLANGE





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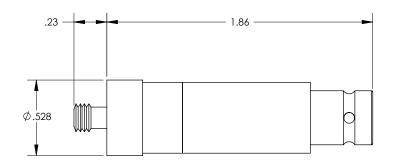




500 Volts DC / 2 Amps Air-side Connector Included

BNC to Microdot / Crystal Sensor Feedthrough WELDABLE





ТҮРЕ	PART #
SINGLE-ENDED	A0975-1-W



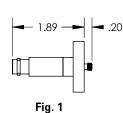


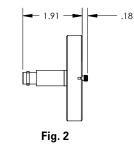


500 Volts DC / 2 Amps

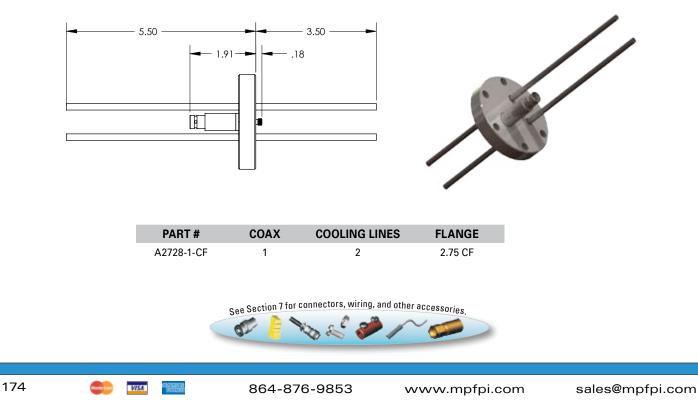
Air-side Connector Included

BNC to Microdot / Crystal Sensor Feedthrough CONFLAT FLANGE





PART #	FIG	COAX	COOLING LINES	FLANGE
A2554-1-CF	1	1		1.33 CF
A2750-1-CF	2	1		2.75 CF





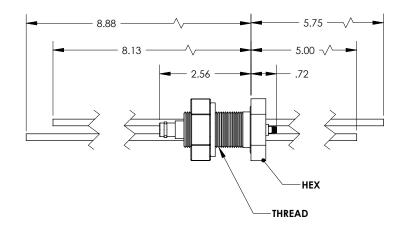


500 Volts DC / 2 Amps

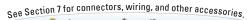
Air-side Connector Included

BNC to Microdot / Crystal Sensor Feedthrough BASEPLATE





PART #	COAX	COOLING LINES	MOUNT
A7164-1-BP	1	2	1" BP



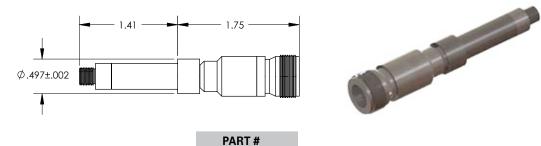
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500 Volts DC / 1 Amp

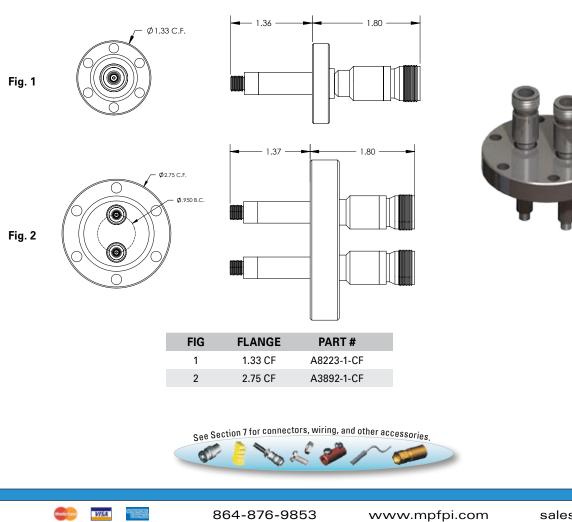
Air-side Connector Included

Type N to SMA WELDABLE



A3888-1-W

CONFLAT FLANGE



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500 Volts DC / 1 Amp Air-side Connector Included

Type N to SMA **OUICK FLANGE**

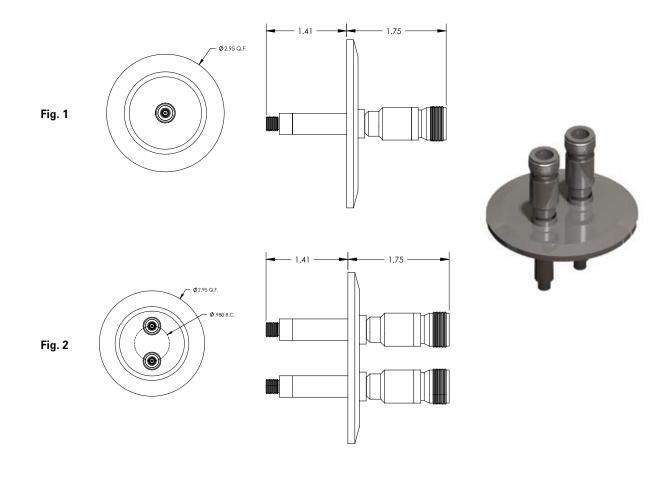


FIG	FLANGE	PART #	
1	QF 50	A8224-1-QF	
2	QF 50	A8224-2-QF	

See Section 7 for connectors, wiring, and other accessories.



COAXIA