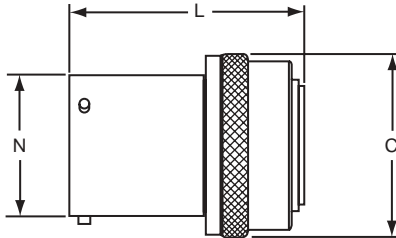


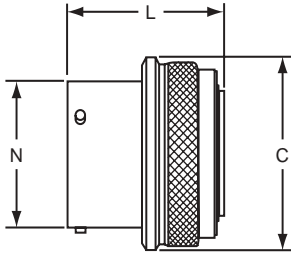
# FPT, FJT, FLJT, FTV adapters

**FPT Adapter  
21-900075-XX**



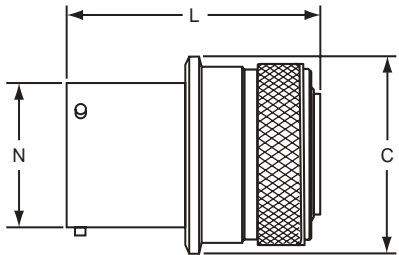
FPT Shell Size	C Dia. Ref.	N Dia. +.001 -0.005	L Max.
8	.729	.473	1.626
10	.851	.590	1.626
12	1.035	.750	1.626
14	1.158	.875	1.626
16	1.280	1.000	1.626
18	1.403	1.125	1.626
20	1.525	1.250	1.688
22	1.648	1.375	1.688
24	1.770	1.500	1.688

**FJT Adapter  
21-900393-XX**



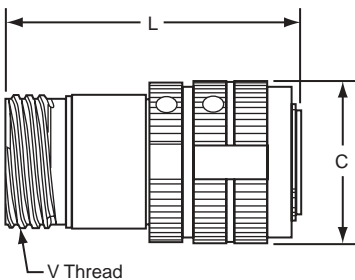
FJT Shell Size	C Dia. +.011 -0.010	N Dia. +.001 -0.005	L Max.
8	.847	.473	1.397
10	.969	.590	1.397
12	1.143	.750	1.397
14	1.255	.875	1.397
16	1.388	1.000	1.397
18	1.510	1.125	1.397
20	1.633	1.250	1.397
22	1.756	1.375	1.397
24	1.878	1.500	1.397

**FLJT Adapter  
21-900423-XX**



FLJT Shell Size	C Dia. +.011 -0.010	N Dia. +.001 -0.005	L Max.
9	.920	.572	2.038
11	1.045	.700	2.038
13	1.246	.850	2.038
15	1.371	.975	2.038
17	1.496	1.100	2.038
19	1.616	1.207	2.038
21	1.743	1.332	2.038
23	1.866	1.457	2.038
25	1.991	1.582	2.038

**FTV Adapter  
21-900529-XX**



FTV Shell Size	C Dia. Ref.	V Thread 0.1P-0.3L-TS Class 2A	L Max.
9	.845	.6250	2.257
11	.950	.7500	2.257
13	1.121	.8750	2.257
15	1.249	1.0000	2.257
17	1.386	1.1875	2.257
19	1.493	1.2500	2.257
21	1.620	1.3750	2.257
23	1.737	1.5000	2.257
25	1.864	1.6250	2.257

All dimensions for reference only.  
Consult Amphenol, Sidney, NY for ordering information.

# How to Order

## EMI filter check list

Date \_\_\_\_\_

Ref. Filter P/N \_\_\_\_\_ Ref. Mil-Spec \_\_\_\_\_

**Filter Requirements:**

Filter Type (Pi, C, LC, T, LL, other) \_\_\_\_\_

Capacitance (locations) \_\_\_\_\_

Capacitance (locations) \_\_\_\_\_

Frequency (MHz)	Insertion Loss (dB)
1	
3	
10	
30	
100	

Working Voltage (VDC or VAC and frequency) \_\_\_\_\_

Dielectric Withstand Voltage (VDC) \_\_\_\_\_

Filter Contacts (locations) \_\_\_\_\_

Ground Contacts (locations) \_\_\_\_\_

Insulated feed-thru (locations) \_\_\_\_\_

**Modified Shell:** (Flange moved, clinch nuts, heilicoils, stand offs, etc.) \_\_\_\_\_

**Special Requirements:** (AC voltage, spike voltage, attenuation testing, thermal cycling, burn-in, capacitor lot traceability, water immersion, etc.) \_\_\_\_\_

**Contact Termination:**

UTS \_\_\_\_\_

Solder Cup \_\_\_\_\_

Wire Wrap Flat dim. \_\_\_\_\_

Stickout dim. \_\_\_\_\_

PCB tail:

Diameter dim. \_\_\_\_\_

Stickout dim. \_\_\_\_\_

Pre-tin? \_\_\_\_\_

What is terminated to connector (ie. flex, rigid flex, PCB, etc.)? \_\_\_\_\_

Special Cleaning \_\_\_\_\_

(if so, recommend a protective cap with an environmental gasket)

**Special Stamping:** \_\_\_\_\_

**Customer:** \_\_\_\_\_

**Program:** \_\_\_\_\_

**Forecast:** \_\_\_\_\_

**Requested by:** \_\_\_\_\_

**Comments:** \_\_\_\_\_

Amphenol Aerospace Operations  
40-60 Delaware Avenue  
Sidney, New York 13838-1395

**Checklist - EMP**

**Date** \_\_\_\_\_

**Customer** \_\_\_\_\_ **Cust. Dwg.** \_\_\_\_\_

**Subject:** Questions To Ask When Specifying EMP Connectors

**Reference:** EMI Filter Check Sheet, How To Specify An EMP Connector

**Note:** All electrical specifications are at room temperature, 25°C, unless otherwise specified.

What is the pulse shape, Nuclear, EMP, SIGEMP or Lightning? \_\_\_\_\_

What is the stand-off voltage? \_\_\_\_\_

What device does customer need, diode or MOV? \_\_\_\_\_

Is the diode unipolar or bipolar? \_\_\_\_\_

What is the maximum and minimum breakdown voltage \_\_\_\_\_ and at what current in milli-amperes? \_\_\_\_\_

What is the clamping voltage \_\_\_\_\_ and at what peak pulse current in amperes? .

What is the pulse wave shape? Time to peak current is  $\mu$  sec? \_\_\_\_\_ Time to one half peak current in  $\mu$  sec? \_\_\_\_\_

What is the power rating in watts \_\_\_\_\_ and the energy rating in joules? \_\_\_\_\_

What is the maximum capacitance at zero bias in picofarads? \_\_\_\_\_

What is the connector series (use the EMI Sheet for the part number prefix or just use the standard coded connector references, ie., LJTPQ), shell style, shell plating, etc? \_\_\_\_\_

Insert arrangement \_\_\_\_\_ and rotation? \_\_\_\_\_

Contact style, pin or socket, \_\_\_\_\_ and termination type, UTS, PCB, Solder Cut or other? \_\_\_\_\_  
PCB (dia. & stickout) \_\_\_\_\_

Is connector to be supplied with filters in series with EMP or by itself or in combination in the same pattern?  
\_\_\_\_\_

Which contacts have EMP protection \_\_\_\_\_, Grounded \_\_\_\_\_, Feedthrough \_\_\_\_\_, Filtered \_\_\_\_\_ and if there is a mix of diode/MOV voltages, what are they and where are they in the pattern?  
\_\_\_\_\_

What special features are needed on the connector shell in regards to standard dimensions, length, \_\_\_\_\_ diameters \_\_\_\_\_, clinch nuts, etc. \_\_\_\_\_

Other special details, testing, screening, data records, etc? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signed: \_\_\_\_\_ Engineering: \_\_\_\_\_