D-SUBMINIATURE
EMI FILTER OPTION

INTRODUCTION:
Adam Tech EMI filtered D-Sub option includes the addition of a high performance Ferrite Filter which surrounds each contact and provides a low cost EMI answer for high frequency interference. Our ferrite filtered D-Subs are direct drop-in replacements with our standard unfiltered D-Subs with the same footprint.

FEATURES:
Direct replacement for standard non-filtered parts
Low cost alternative to passive component types
Significant reduction of noise at high frequencies

MATING CONNECTORS:
Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

SPECIFICATIONS:

Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0
Insulator colors: Black (White optional)
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:

Gold Flash (15 and 30 µin Optional) over Nickel underplate.

Electrical:

Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

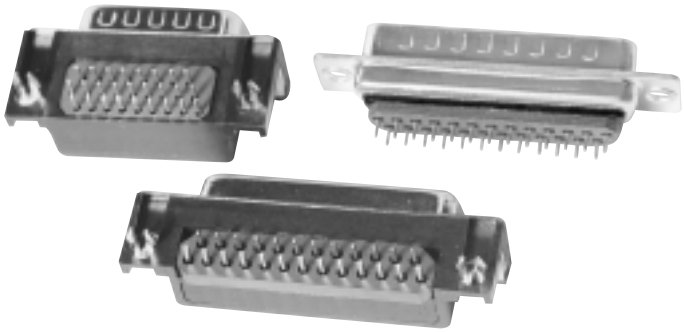
Temperature Rating:

Operating temperature: -65°C to +125°C

PACKAGING:
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File No. E224053
CSA Certified File No. LR1578596

Pb-free Option available
RoHS COMPLIANT OPTION AVAILABLE

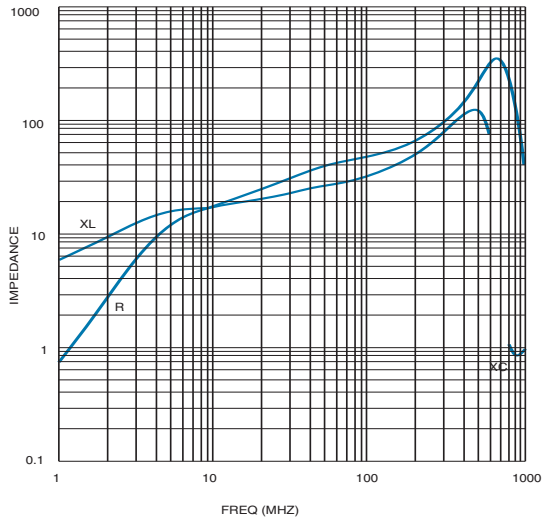


See pgs. 43, 48, 51 for ordering information

AdamTech offers a complete range of ferrite filtered D-Subs to satisfy EMI/RFI emissions in most applications. This series offers filtered connectors in a multitude of terminations, mating and mounting options.

- Drop in replacement for standard D-Subs
- Low applied cost
- Significant reduction of noise at high frequencies

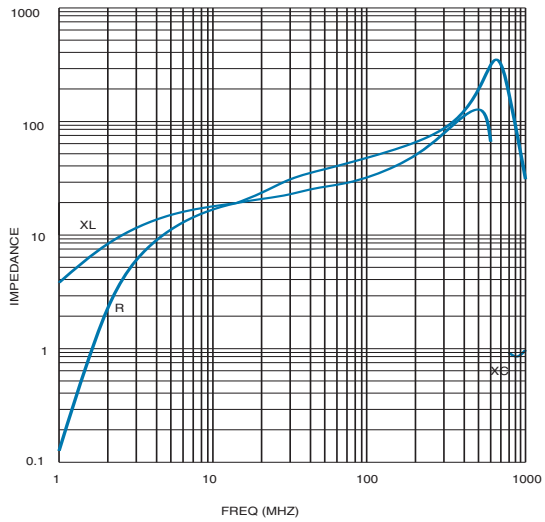
9 Position



	1	5	10	25	30	40	50	100	200
XC-									
XL-	5.4	15	18	23	25	26	28	34	51
R-	0.656	11	18	29	32	37	40	50	64

	300	400	500	600	700	800	900	1000
XC-					1.27	0.807	0.856	0.977
XL-	73	101	122	57				
R-	84	121	199	342	344	170	77	40

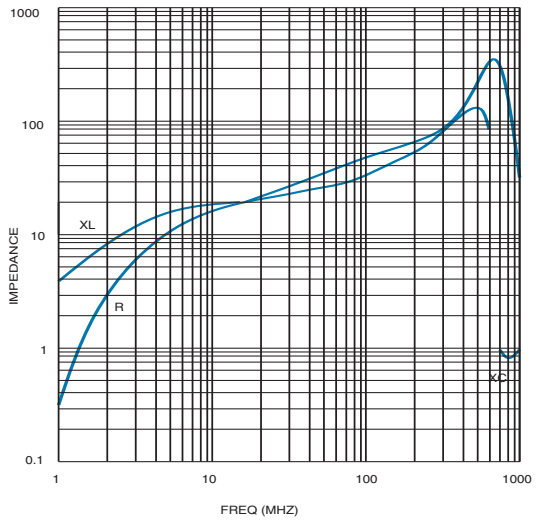
15 Position



	1	5	10	25	30	40	50	100	200
XC-									
XL-	3.6	15.9	19	24	25	27	28	36	54
R-	0.116	8.4	16	28	31	35	39	49	62

	300	400	500	600	700	800	900	1000
XC-					0.998	0.78	0.864	0.996
XL-	80	112	138	48				
R-	83	124	215	389	339	147	64	33

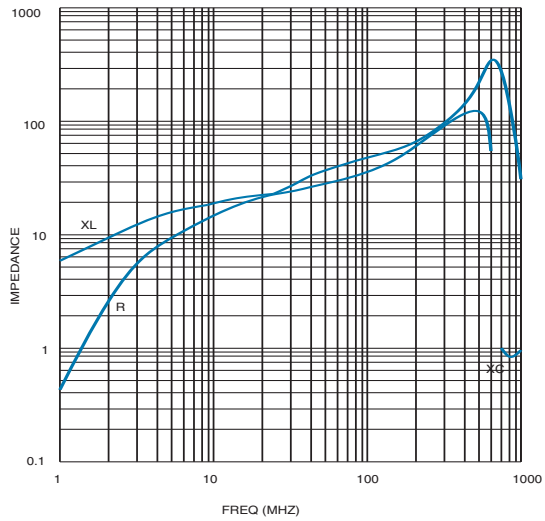
25 Position



	1	5	10	25	30	40	50	100	200
XC-									
XL-	4	14	18	22	24	26	27	35	55
R-	0.309	8.4	15	26	29	33	36	46	59

	300	400	500	600	700	800	900	1000
XC-					0.983	0.762	0.851	0.986
XL-	81	115	147	65				
R-	79	119	210	394	356	150	65	34

37 Position



	1	5	10	25	30	40	50	100	200
XC-									
XL-	4.9	16	20	25	27	28	30	36	53
R-	0.45	8.4	15	26	29	33	36	46	59

	300	400	500	600	700	800	900	1000
XC-					1.082	0.814	0.879	1
XL-	76	105	122	29				
R-	80	122	224	424	332	131	56	29

XC = Capacitance **XL = Inductive Reaction** **R = Impedance**