

High Current AC/DC Feedthrough Filter 140 Amp — High Reliability



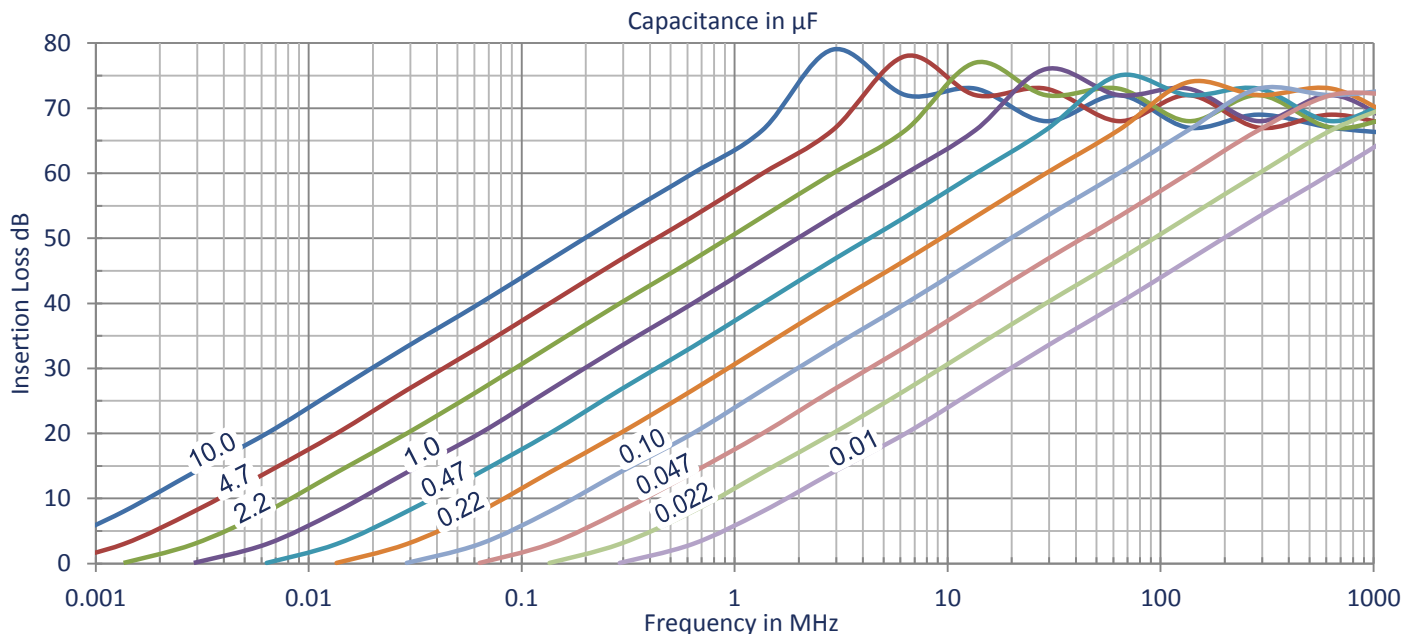
- ✓ Excellent EMI filtering
- ✓ Compact and lightweight
- ✓ "C" Type Filter
- ✓ High Shock & Vibration
- ✓ High Reliability per MIL-PRF-49467
- ✓ MIL-PRF-55681, MIL-PRF-123, SCD available
- ✓ CDR and JAN Reliability levels available

Voltage & Capacitance

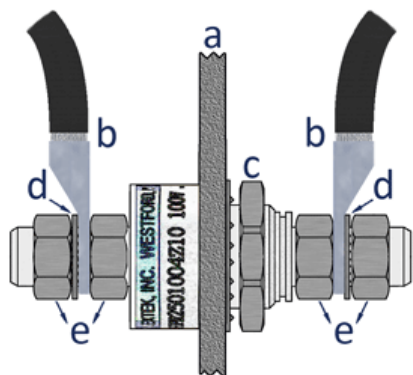
140A		Capacitance μF																					
		.01	.015	.022	.033	.047	.068	.1	.15	.22	.33	.47	.68	1.0	1.5	2.2	3.3	4.7	6.8	10	15	22	
Rated Voltage	Vdc	50						+					+						+				
		100						+					+						+				
		200						+					+						+				
		500						+					+										
	Vac	120		+			+																
	250		+																				

✦ Standard Values

Insertion Loss



Mounting



- a. Mounting Panel
- b. Lug / Wire
- c. Mounting Nut
- d. Lock Washer
- e. Electrode Lug Nut

Installation Torque Recommendations

NOTE: Electrode Nuts (e) must be tightened using the Two-Wrench Method...Place an open end wrench on the electrode nut closest to the mounting panel (a) and a calibrated torque wrench on the outer electrode nut on the same side...Tighten nuts against one another.

The “two wrench method” will prevent any torque from developing between the electrode and the HPR body.

Electrode Lug Nut (e) Torque: 70 in-lbs (8 N·m)

Mounting Panel Nut (c) Torque: 100 in-lbs (11 N·m)

Part Number

Device	Current	Capacitance	Tolerance	Voltage	Series
HPR	140	XXXX	X	XX	X

Device HPR High Current Feedthrough Filter

Current Current rating in amperes

Capacitance in picofarads, first two digits are significant, last two digits are number of zeros
e.g. 2203 = 22,000pF / 4704 = .47μF

Tolerance Capacitor Code: Z= +80%/-20% (Standard), M= +/-20%, K= +/-10%, J=+/-5%

Voltage Rating Code: 05=50V, 10=100V, 20=200V, 50=500V, 1K=1000V, 1A=120Vac, 2A=240Vac

Series Optional series designator

Example: HPR1401004Z10E = Feedthrough Filter / 140A / 0.10uF / +80%/-20% / 100Vdc / E-Series

Safety Tips

- ✓ The filter should be mounted in a grounded shielding panel
- ✓ Tighten the electrode nuts to the torque specified with the two wrench method
- ✓ Cover exposed electrode nuts
- ✓ Observe temperature, current, & voltage limits