EMI FILTERS
"C", "L", AND "PI" TYPE

BOLT

Capacitance / Tolerance:	Measured @ 1 KHz and .1-1 Vrms, 25°C / -0% +100%
Dissipation Factor:	2.5% max @ 1 KHz and .1-1 Vrms, 25°C
Insulation Resistance:	100 GΩ or 1000 MΩ -mF, whichever is less @ 25°C, WVDC
Working Voltage:	50 VDC to 500 VDC
Dielectric Withstanding Voltage:	250 % of WVDC min. @ 25°C for 5±1 sec, 50 mA max chg. Current
Volt-Temperature Limit:	+10% -30% @ WVDC and -55°C to +125°C
Current Rating:	5 Amp through 25 Amp
DC Resistance:	.01Ω max.
Insertion Loss:	Measured per Mil-STD-220, IL between any two adjacent specified frequencies shall be that of the lower of the two frequencies in order to accommodate resonant dips.
Operating Temperature:	-55°C to +125°C
Storage Temperature:	-65°C to +150°C
Materials: Case Terminals	Brass, ½ hard per QQ-B-626 (composition #22) / steel optional Copper per ASTM B-170 / copper clad / steel optional
Finish: Case Terminals	Silver per QQ-S-365 / Gold or Tin Optional Silver per QQ-S-365 / Gold or Tin Optional
Applicable MIL Specifications:	Mil-F-28861 / Mil-F-15733 / Mil-C-39014
Environmental Test Spec:	Mil-STD-202
Thermal Shock:	Method 107, Condition A except step 3 @ 125°C
Immersion:	Method 104, Condition A (Hermetic devices only)
Salt Spray:	Method 101, Condition B
Moisture Resistance:	Method 106 (Hermetic devices only)
Barometric Pressure:	Method 105, Condition B
Resistance to Soldering Heat:	Method 210, Condition B
Seal:	Method 112, Condition A / Hermetically sealed pars only
Vibration:	Method 204, Condition D
Shock:	Method 213, Condition I
Terminal Strength:	Method 211, Condition A
Solderability:	Method 208
Life:	Method 108, Condition D

GENERAL SPECIFICATIONS

Marking per Mil-STD-130

Filter body size permitting: PA&E logo
PA&E part number
Date code

INSTALLATION GUIDE

Although PA&E filters are rugged with excellent resistance to physical damage, good working practices should be utilized in the installation process to avoid possible post-installation problems.

1) Maximum recommended mounting torque should be applied to the nut only and observed as follows:

Thread size	0-80	2-56	4-40 UNC	8-32 UNC	12-32 UNC	1/4-28 UNF	5/16-24 UNF
Mount torque	10 in oz.	18 in oz.	3 in. lbs.	3-5 in. lbs.	6-8 in. lbs.	7-9 in. lbs.	7-9 in. lbs.

2) Avoid bending or flexing terminals at the point of exit from the glass or epoxy seal to preserve the integrity of the seal and/or ceramic capacitor.

3) Solder connections to the terminals should be performed with temperatures not exceeding 230°C, placing a heat sink between soldering point and filter body whenever possible.