

The ZL-1906-15 is a 3ph, Y, filter developed to meet the requirements of MIL-STD-461E.

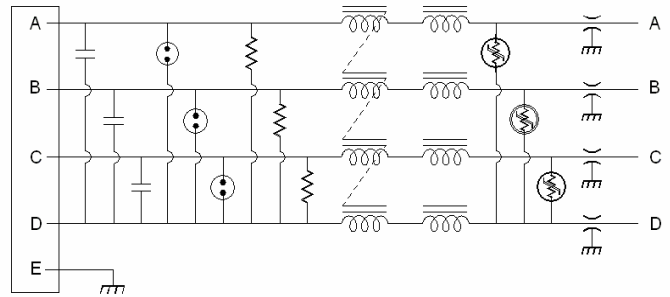
This filter has the maximum insertion loss possible for a very small package.

Generally this filter should perform well for the CE102 conducted emissions and will help some for the CE101 emissions.

The filter also has significant transient suppression to ensure meeting the requirements of CS116 or a nearby lightning strike.

If the filter will be used only with a 125Vac input (Line—Neutral), some adjustment can be made to the transient suppression devices to lower the clamping voltage.

Calculated MTBF = 498,004 hours @ 30°C GB



Performance Characteristics

Operating voltage: 3Ph, 125 Vac, 50—400 Hz
3Ph, 250 Vac, 50/60 Hz

Max. operating current: 15 ampere per Phase

Operating temperature: -40—50°C

Dielectric Withstand. Line/case: 1500 Vac. (1.0 minute)

Dielectric Withstand. Line/Neut: 1500 Vdc. (1.0 minute)

Capacitance, (Each line—case): 0.02 μF max.

Transient energy absorption 8/20 μsec: 130 Joule/Line

Minimum Varistor clamping Voltage: 354 volt

No load current (line—Neut):

0.25A max @ 125V, 60Hz

1.60A max @ 125V, 400Hz

Leakage current 125V, 60 Hz: 2.25 ma max

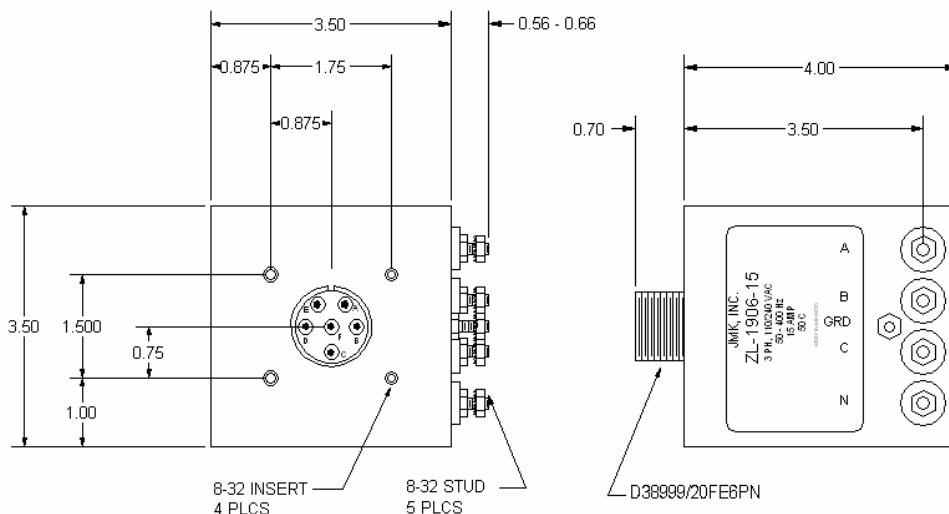
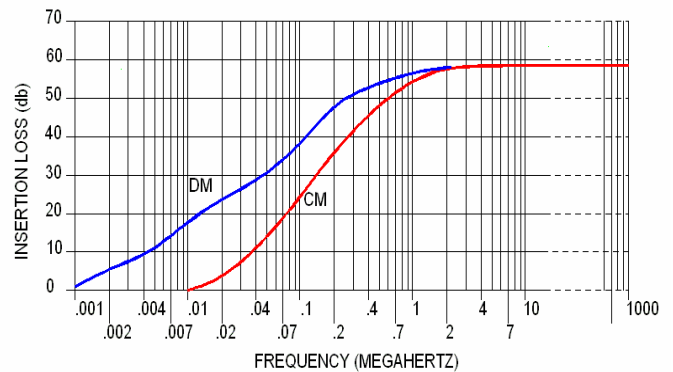
125V, 400 Hz: 15.1 ma max

250 V, 50 Hz: 3.75 ma max

(L/L) discharge voltage after disconnect from power:

110V: 75 volt max after 1.0 second

30 volt max after 2.0 second



Order Part number :

ZL-1906-15