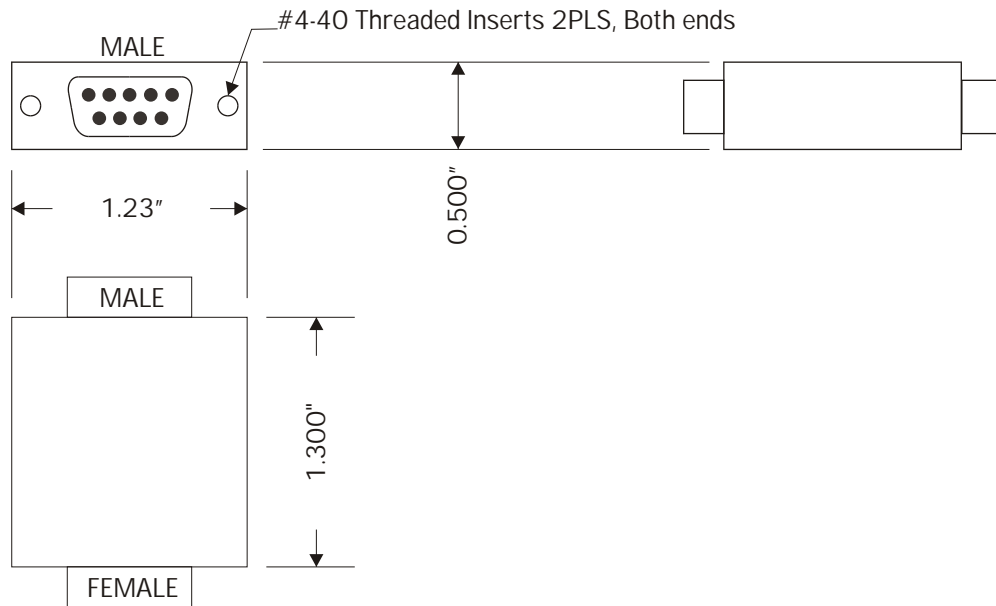


REV	DATE



OUTLINE DRAWING

AMPLIFICATION: RS-232 FILTER FOR BATTERY OR LONG CABLE RUNS

DATA LINES
 DATA RATES: 48 Kbps FOR NON-SYNC, 24 Kbps FOR SYNCHRONOUS

RISE TIME: 10µs MAXIMUM

SOURCE IMPEDANCE: 300 TO 400 OHMS

LOAD IMPEDANCE: 1 K OHMS OR GREATER

LINE VOLTAGE: 15 VOLTS RMS

INSERTION LOSS: 0.2 dB IN BAND

SIGNAL LINES
 RISE TIME: 16µs TYPICAL

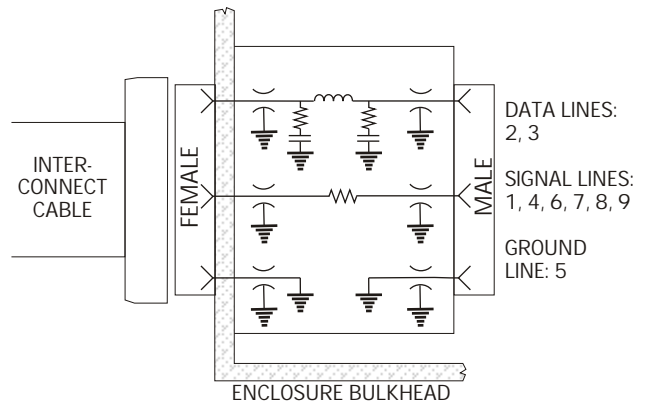
INSERTION LOSS: 1.3 dB IN BAND

GROUND LINE
 SERIES RESISTANCE: 3.5 OHMS MAXIMUM

ATTENUATION			
Frequency	Data Lines	Signal Lines	GND Lines
10 KHz	< 1 dB	< 2 dB	19 dB
50 KHz	< 1 dB	5dB	40 dB
100 KHz	12 dB	20 dB	> 70 dB
100MHz to 1 GHz	60 dB	55 dB	> 70 dB

GROUND LINES MEASURED IN 50 OHM SYSTEM
 DATA AND SIGNAL LINES MEASURED IN RS-232 IMPEDANCES

SPECIFICATIONS



FUNCTIONAL DIAGRAM