D-Sub & Micro-D Filter Connectors

D-Sub

Micro-D

D-Sub Right Angle

INTRODUCTION

CarlisleIT D-Sub & Micro-D filter connectors meet all the requirements of Mil-PRF-24308 and Mil-PRF-83513 while providing filtering in accordance with the attenuation curves noted herein. Mil-PRF-24308 connectors (Standard density and Hi-density) and Mil-PRF-83513 are manufactured in all layouts offering maximum contact density in a minimum of space.

Both series of connectors are offered with the standard variations in mounting hardware, standard straight or right angle contacts and PCB, solder cup, and crimp termination.

PERFORMANCE, BENEFITS, & CERTIFICATION

» Planar design

» Machined shells

» Ferrite immobilization

» Space qualified

» Can incorporate filtering plus Transient Voltage Suppression

» Can meet DO-160 lightning requirements

DESIGN CONSIDERATIONS

Rectangular	Mating End Contacts	Filter Types*	Electrical	Environmental	Mounting Hardware	Contact Terminations
MIL-DTL-24308	Pin	C	Feed Thru Contacts	Thermal Cycle	Clinch Nut	PC Tails
MIL-DTL-83513	Socket	Pi	Ground Contacts	Thermal Shock	Helicoil	Solder Cup
		C-L/L-C	DWV min ____ VDC	Burn-in	Jack Posts	Crimp
		T		Immersion		Wire Wrap
			Capacitance			
			Attenuation			

* Maximum or Mixed Capacitance Requirement? ____pF

Learn more: **CarlisleIT.com/products/connectors-accessories/**

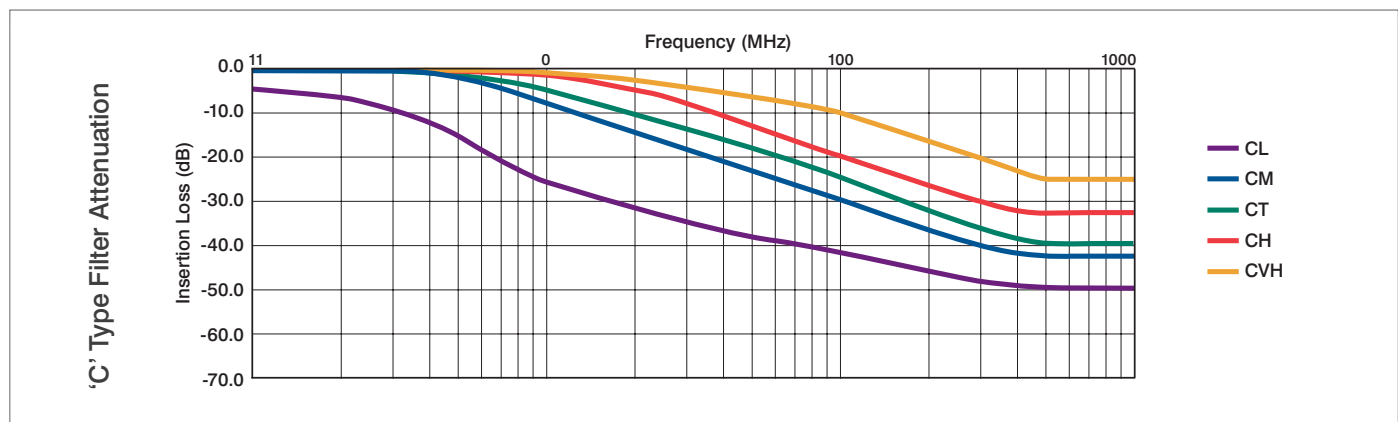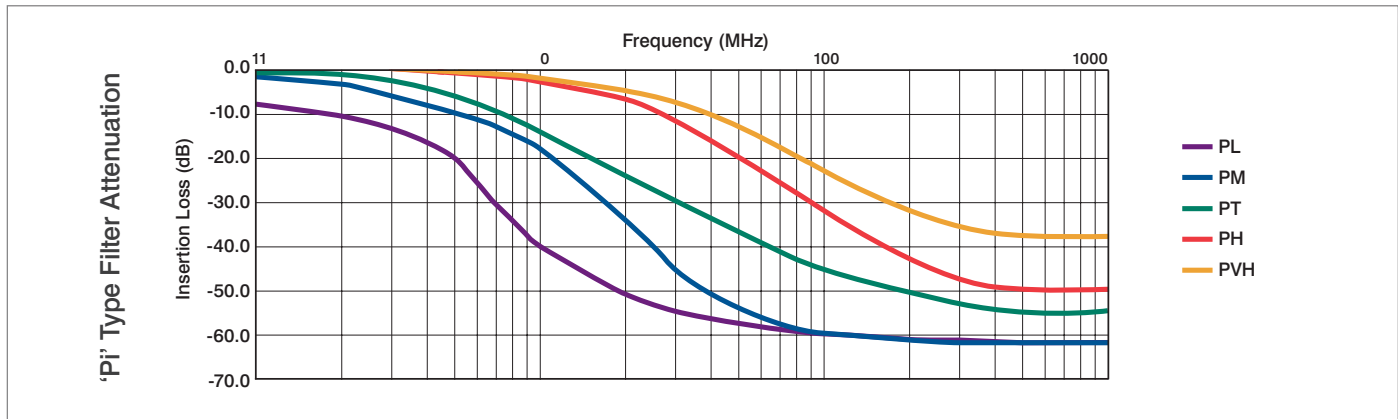## MECHANICAL & ENVIRONMENTAL PERFORMANCE

Connectors are designed to meet customer specifications and the applicable MIL Specification requirements. The following are the typical requirements for M24308 & M83513 filter connectors.

Test Description	Procedure
Temperature Cycling	EIA-364-32 Condition I
Durability	500 Matings at a rate of 200 ± 100 cycles per hour
Shock	EIA-364-27, 3 Axis
Vibration	EIA-364-28 Condition IV
Fluid Immersion	EIA-364-10 Test Fluids (a) and (d)
Salt Spray	EIA-364-26 Condition B
Humidity	EIA-364-31 Method IV

Burn-in, thermal shock and thermal cycle testing available in-house

ATTENUATION GRAPHS

See CarlisleIT's line of Connectors & Accessories products at:
CarlisleIT.com/products/connectors-accessories/

+1 (800) 458.9960
Sales@CarlisleIT.com