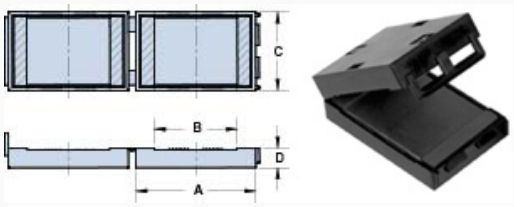
Flat Cable Snap-It™ (0431163951)

Part No. 0431163951



Part Number	0431163951
Description	31 FLAT CABLE CORE ASSEMBLY
Part Type	Flat Cable Snap-It™
Frequency Range	31 Material®
Application Type	Suppression Components
Where Used	Cable Component
Material Grade	31

ORDERING INFORMATION

Part Number: 0431163951

31 FLAT CABLE CORE ASSEMBLY

Explanation of Part Numbers:
– Digits 1 & 2 = Product Class
– Digits 3 & 4 = Material Grade

Flat Cable Snap-It™ for use on multi-conductor flat cables to suppress common-mode conducted EMI from 1MHz to hundreds of MHz. These Flat Cable Snap-It™ are available in two ferrite materials, 31 and 43. The polypropylene cases are meeting the RoHS restrictions of hazardous substances and have a flammability rating of UL 94 V-0.

The Expanded Cable and Suppressor Kit (Part number 0199000005) contains several Flat Cable Snap-It™ assemblies.

MECHANICAL SPECIFICATIONS

Weight: 110 (g)

Chart Legend
•Dimensions (Top numbers are in millimeters, bottom numbers are in nominal inches.).

Dim	mm	mm tol	nominal inch	inch misc.
A	68.0	+/- 2.00	2.677	_

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Dim	mm	mm tol	nominal inch	inch misc.
B	51.00	_	2.008	_
C	32.5	+/- 1.5	1.28	_
D	7.90	+/- 0.5	0.311	_

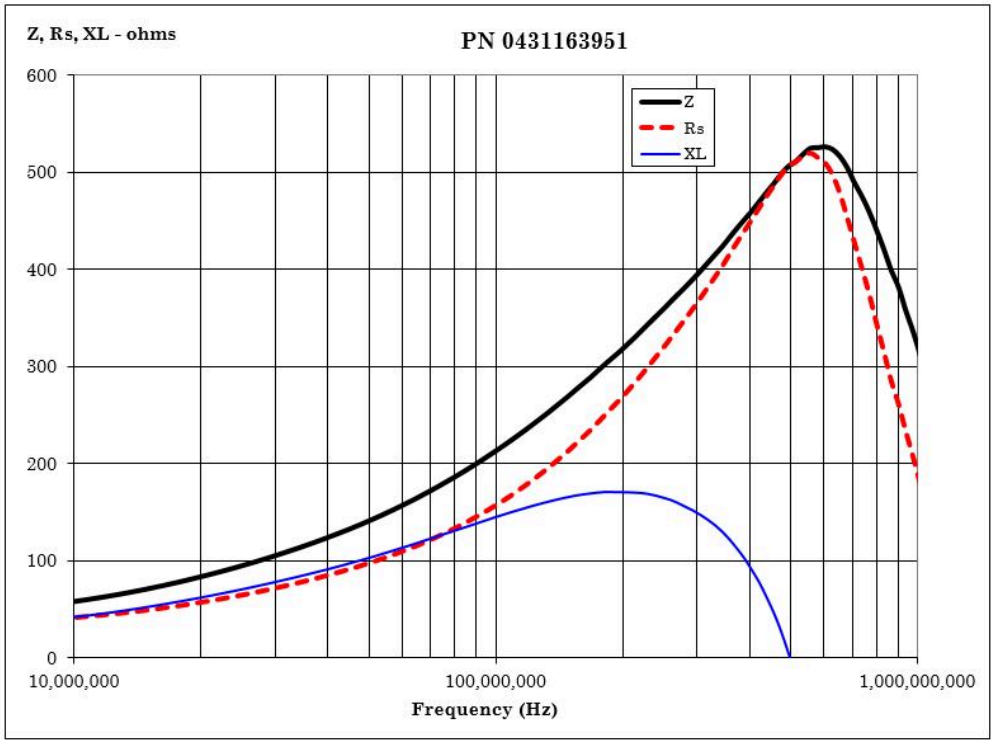
ELECTRICAL SPECIFICATIONS

Chart Legend
+ Test frequency

Typical Impedance (Ω)	
1 MHz	16
5 MHz	45
10 MHz+	58
25 MHz+	95
100 MHz+	215
250 MHz	356

Flat Cable Snap-It™ assemblies are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.

Centered, single turn impedance tests on the 31 and 43 material parts are performed on the E4991A/HP4291B Impedance Analyzer. Cores are tested with the shortest practical wire length.



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