

# Flat Cable Snap- Its (0431164051)

Part Number: 0431164051

## 31 FLAT CABLE CORE ASSEMBLY

### Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade

Flat Cable Snap- Its for use on multi- conductor flat cables to suppress common- mode conducted EMI from 1MHz to hundreds of MHz. These Flat Cable Snap- Its 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.

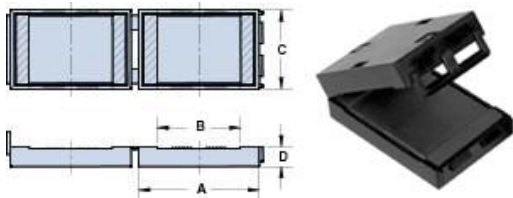
### [Catalog Drawing](#)

### [3D Model](#)

Weight: 130 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	80.8	+/- 2.00	3.181	—
B	64.50	/ >(2.540")	2.54	—
C	32.3	—	1.272	—
D	7.90	+/- 0.5	0.311	—

Cable Information			
Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
0	64.00 x 1.30	—	-



### Chart Legend

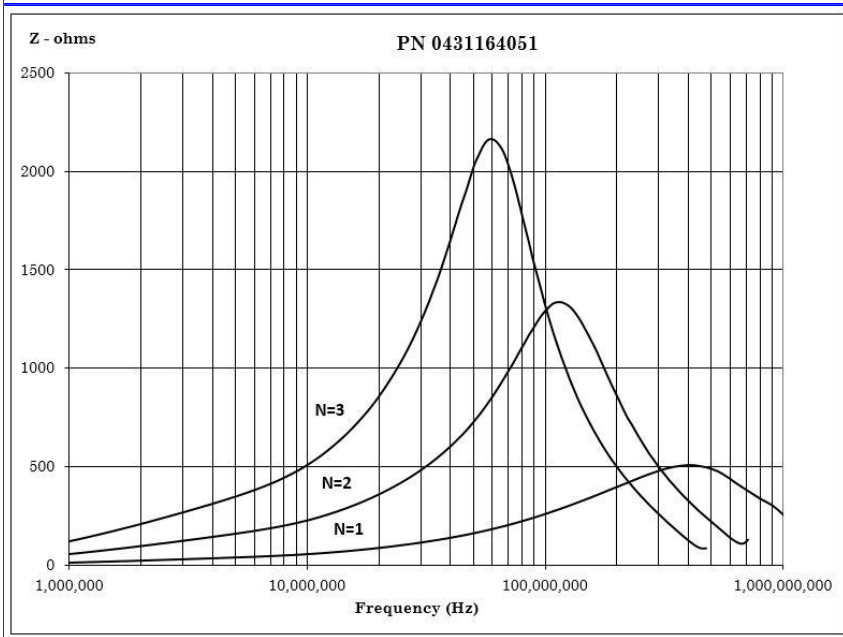
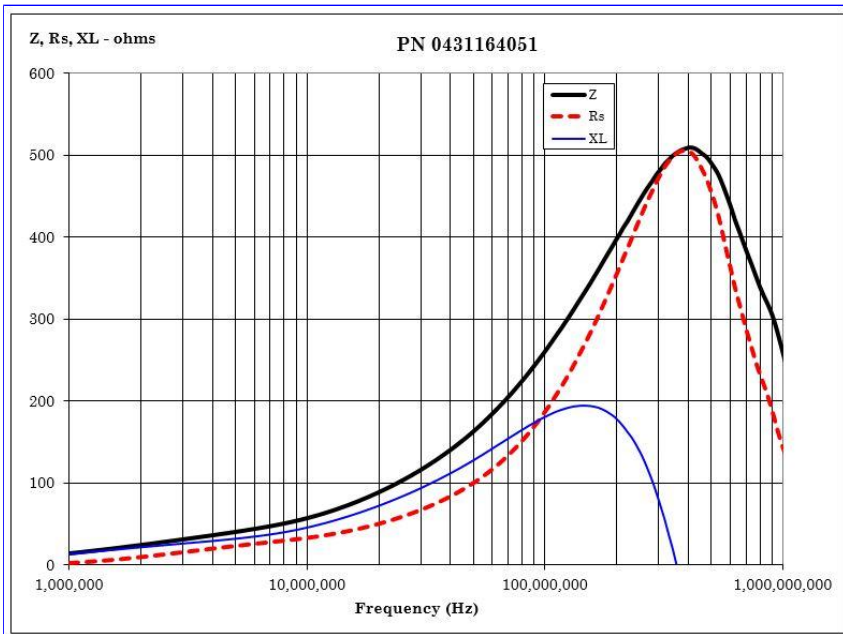
+ Test frequency

Typical Impedance (Ω)	
1 MHz	14
5 MHz	40
10 MHz <sup>+</sup>	57
25 MHz <sup>+</sup>	102
100 MHz <sup>+</sup>	260
250 MHz	440

Flat Cable Snap- It assemblies are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is listed on our catalog drawing.

### [Catalog Drawing](#)

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.



[CSV Download](#)