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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Flat Cable Snap- Its (0431163951)



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- 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.

Weight: 110 (g)

Dim	mm	mm tol	nominal inch	inch misc.	Cable Information			
A	67.8	_	2.67	_	Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
B	52.1	_	2.05	_	0	51.00 x 1.30	_	-
C	32.3	_	1.272	_	0			
D	8.1	_	0.32	_				

### Chart Legend

+ Test frequency

Typical Impedance ( $\Omega$ )	
1 MHz	13
5 MHz	35
10 MHz <sup>+</sup>	54
25 MHz <sup>+</sup>	105
100 MHz <sup>+</sup>	300
250 MHz	425

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 4193A Vector Impedance Analyzer. Cores are tested with the shortest practical wire length.

