



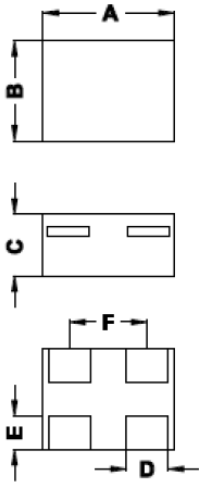
Thin Film Common Mode Filter - TCF03025DH900 02A

Introduction

TCF 03025 DH Series is a thin film common mode filter designed to suppress common mode noise for high speed differential data lines, such as USB 2.0, IEEE 1394, LVDS, DVI, HDMI, and MIPI. These differential interfaces can be used in personal computers, note books, mobile phone, LCD/PDP/DLP TVs, Blu-ray/DVD players, personal handheld equipments, etc.



Shape and Dimensions (Unit: mm)



Item	TCF03025
A	0.85±0.05
B	0.65±0.05
C	0.40±0.05
D	0.27±0.10
E	0.20±0.10
F	0.50±0.10

Ordering Information

TCF **03025** **DH** **900** **02** **A**
1 **2** **3** **4** **5** **6**

1. Series Name
2. Dimensions Code
3. Speed Identification Code
4. Impedance(at 100MHz): **900**= 90Ω
5. Line Code: **02**= 2 lines
6. Soldering : **A** for Lead free.

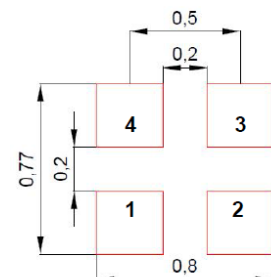
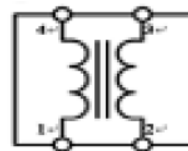
Electrical Characteristics

Part Number	Impedance (Ω) [at 100MHz]			DC Resistan	Cut-off Frequency	Rated Current	Rated Voltage	Insulation Resistance
	MIN	TYP	MAX	(Ω)TYP	GHz TYP.	mA	Vdc	(MΩ)min.
TCF03025DH90002A	67.5	90	112.5	2.7	3	100	5	10

General technical data

Operating temperature range : - 25°C ~ +85°C
 MSL Level: Level 1
 Storage Condition : Temperature 5 to 40°C
 Relative Hmidity : < 65% RH
 Storage Time: 12 months

Circuit symbol and land layout

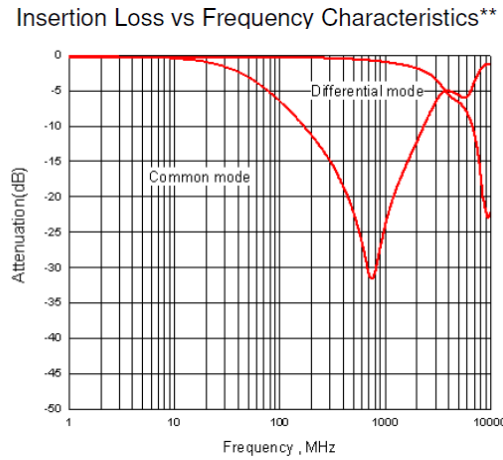
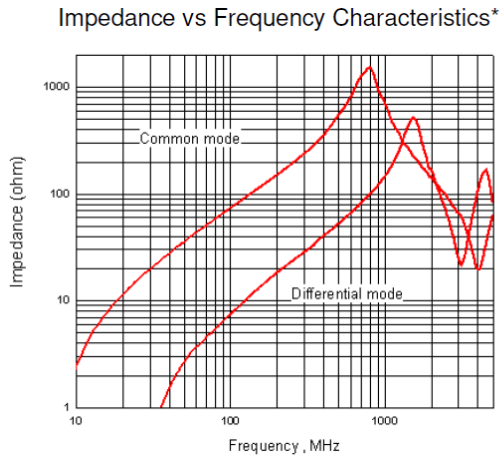


Note : Stencil thickness 0.08 mm



Electrical Curve

TCF03025DH900 02A



*Test instrument : HP4291A Impedance/Material Analyzer

**Test instrument : Agilent E5071C ENA-L Network Analyzer