



Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

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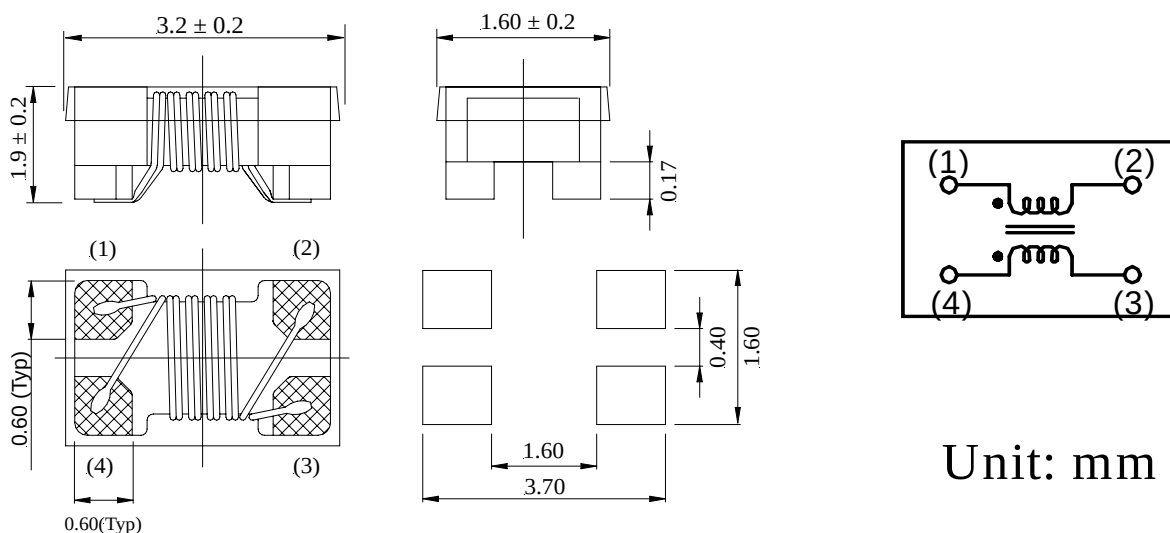
Web: <http://www.frontierusa.com>

SMD Wire Wound EMI Common Mode Chip—SCM3216F series

A. Electrical specifications:

Part Number	Common Mode Impedance (Ω) (Typical) @ 100MHz	Rated Current (mA)	DC Resistance (ohm) Max.	Rated Voltage (Vdc)	Withstand Voltage (Vdc)	Insulation Resistance @125Vdc (M Ω) Min.
SCM3216F-900M	90	370	0.30	50	125	10
SCM3216F-161M	160	340	0.40			
SCM3216F-261M	260	310	0.50			
SCM3216F-601M	600	260	0.80			
SCM3216F-102M	1000	230	1.0			
SCM3216F-222M	2200	200	1.2			

B. Mechanical Drawing:



Unit: mm

C. Features:

1. Tolerance: M:±20.
2. Small size, low profile.
3. Impedance range: from 90 Ω to 2200 Ω .
4. High common mode impedance at high frequency effects.
5. Excellent noise suppression performance.
6. Temperature rise: 15°C at rated current on 25°C ambient.
7. Operating temperature: From -40°C to +85°C.

D. Applications:

1. Common mode noise suppression of signal lines in high speed and high-density digital equipment, such as personal computers and peripherals.
2. Suitable for differential signal line such as USB2.0, IEEE1394 and LVDS, capable of high speed signal transmission without distortion due to its high coupling.



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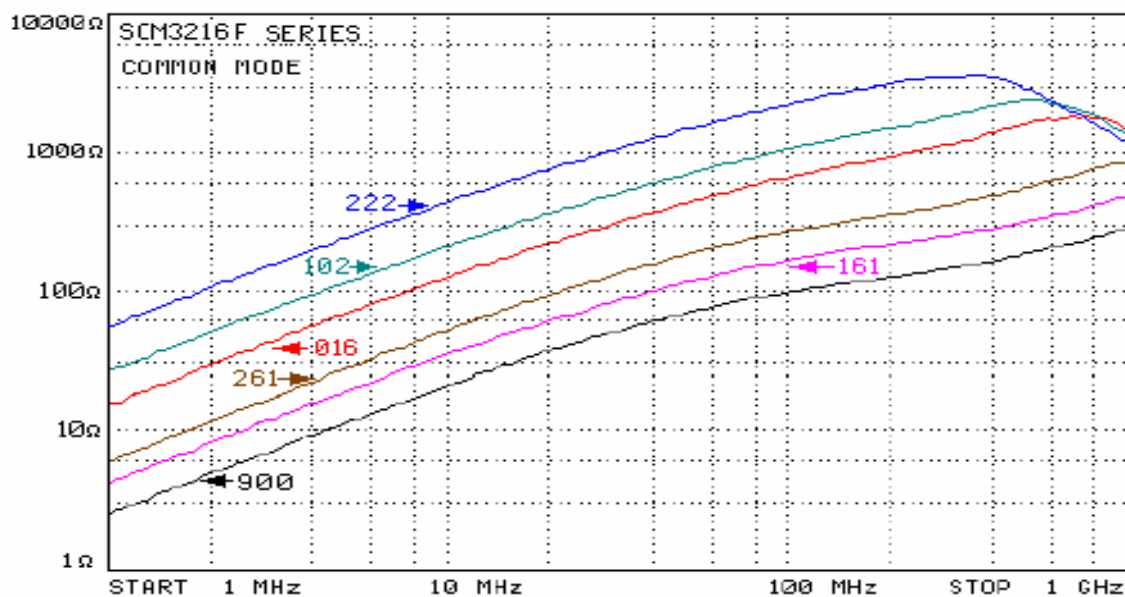
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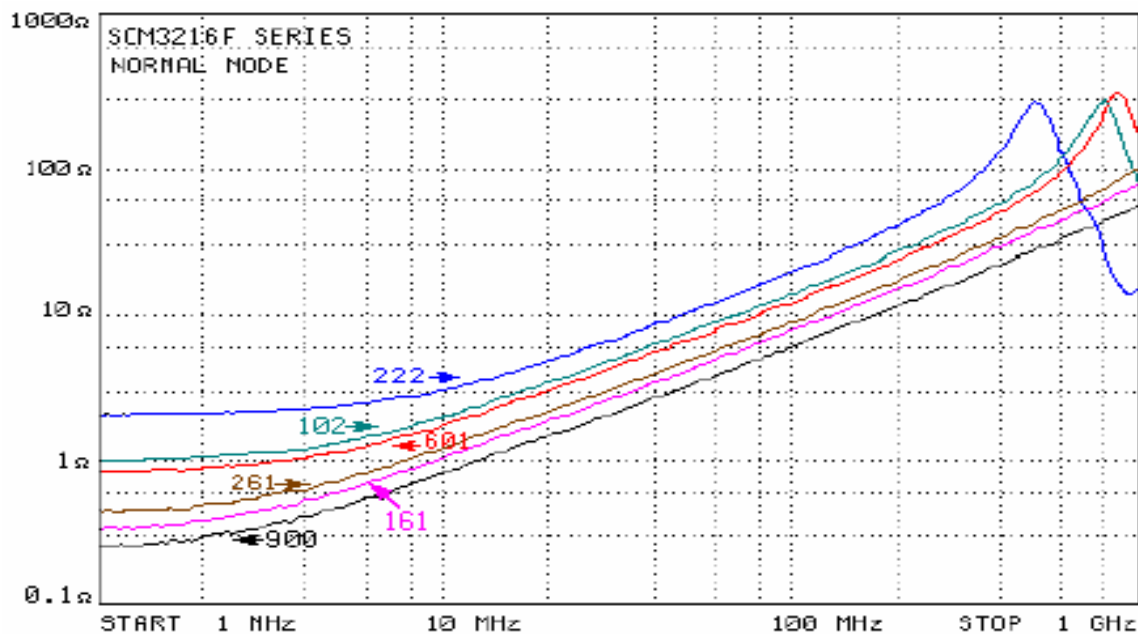
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E. Impedance curve:



COMMON MODE



NORMAL MODE

 **Special specifications are available for customer's requirement.**