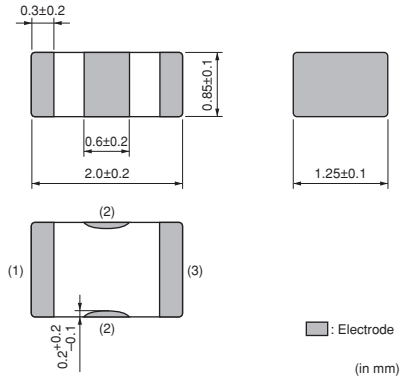
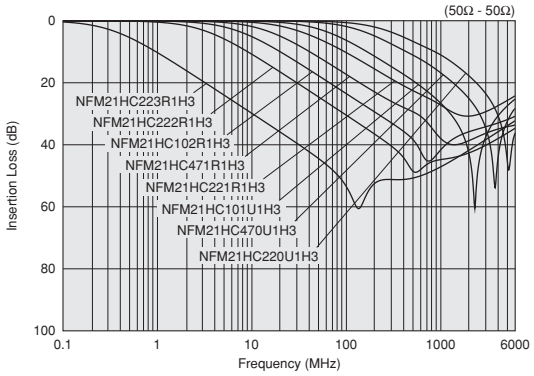
For Automotive EMIFIL® (Capacitor type) for Automotive

NFM21H Series (0805 Size)

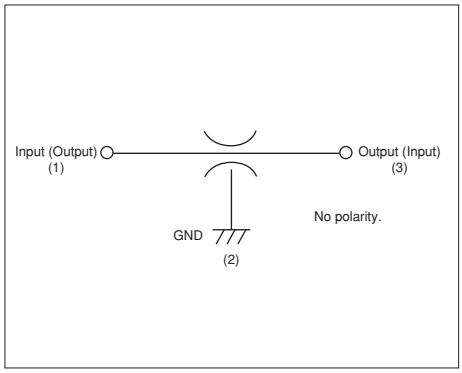
■ Dimensions



■ Insertion Loss Characteristics (Main Items)



■ Equivalent Circuit



■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000
B	Bulk(Bag)	500

■ Rated Value (□: packaging code)

Part Number	Capacitance	Rated Current	Rated Voltage	Insulation Resistance (min.)	Operating Temperature Range
NFM21HC220U1H3□	22pF ±20%	700mA	50Vdc	1000M ohm	-55 to +125°C
NFM21HC470U1H3□	47pF ±20%	700mA	50Vdc	1000M ohm	-55 to +125°C
NFM21HC101U1H3□	100pF ±20%	700mA	50Vdc	1000M ohm	-55 to +125°C
NFM21HC221R1H3□	220pF ±20%	700mA	50Vdc	1000M ohm	-55 to +125°C
NFM21HC471R1H3□	470pF ±20%	1000mA	50Vdc	1000M ohm	-55 to +125°C
NFM21HC102R1H3□	1000pF ±20%	1000mA	50Vdc	1000M ohm	-55 to +125°C
NFM21HC222R1H3□	2200pF ±20%	1000mA	50Vdc	1000M ohm	-55 to +125°C
NFM21HC223R1H3□	22000pF ±20%	2000mA	50Vdc	1000M ohm	-55 to +125°C
NFM21HC104R1A3□	100000pF ±20%	2000mA	10Vdc	1000M ohm	-55 to +125°C
NFM21HC224R1A3□	220000pF ±20%	2000mA	10Vdc	1000M ohm	-55 to +125°C
NFM21HC474R1A3□	470000pF ±20%	2000mA	10Vdc	1000M ohm	-55 to +125°C
NFM21HC105R1C3□	1000000pF ±20%	4000mA	16Vdc	500M ohm	-55 to +125°C

Number of Circuit: 1

Continued on the following page.

●This data sheet is applied for CHIP EMIFIL® used for Automotive Electronics equipment for your design.

⚠Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

Continued from the preceding page.

■ ⚠Caution/Notice

⚠Caution (Rating)

1. Do not use products beyond the rated current and rated voltage as this may create excessive heat and deteriorate the insulation resistance.
2. Be sure to provide an appropriate fail-safe function on your product to prevent a second damage that may be caused by the abnormal function or the failure our product.

Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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