

Noise Suppression Products/EMI Suppression Filters > EMIFIL® (RC Combined) > Single Circuit Type Data Sheet EMIFIL[®] (RC Combined) Single Circuit Type NFR21G Series (0805 Size) Equivalent Circuit Dimensions (Top View) 1.0 max 2+0 (1) Input O -WV-O Output (3) .0±0.35 0.95±0.35 2.0±0.2 .25±0.2 (2)(Bottom View) GND (2) : Electrode No polarity (in mm) Insertion Loss Characteristics (Main Items) Insertion Loss Characteristics (Main Items) NFR21GD 10 10 R21GD1002202 Insertion Loss (dB) Loss (dB) NFR21GD4702202 20 20 NFR21GD4704702 NFR2 1012 NFR21GD47068 Sertion 30 FR21GD1012202 30 NFR21GD1014702 NFR21GD101680 40 50 50 100 1000 10 100 1000 Frequency (MHz) Frequency (MHz) Packaging Code Packaging **Minimum Quantity** L 180mm Embossed Tape 4000 в Bulk(Bag) 500 ■ Rated Value (□: packaging code) Operating Part Number Capacitance DC Resistance Rated Current **Rated Voltage** Insulation Resistance (min.) **Temperature Range** 50Vdc 1000M ohm NFR21GD1002202 10pF±20% 22ohm±30% 50mA -40 to +85°C NFR21GD1004702 10pF±20% 47ohm±30% 35mA 50Vdc 1000M ohm -40 to +85°C NFR21GD4702202 47pF±20% 22ohm±30% 50Vdc -40 to +85°C 50mA 1000M ohm NFR21GD4704702 47pF±20% 47ohm±30% -40 to +85°C 35mA 50Vdc 1000M ohm NFR21GD4706802 -40 to +85°C 47pF±20% 68ohm±30% 30mA 50Vdc 1000M ohm NFR21GD4701012 47pF±20% 100ohm±30% 25mA 50Vdc 1000M ohm -40 to +85°C Number of Circuit: 1 Continued on the following page. This data sheet is applied for RC Combined CHIP EMIFIL[®] used for General Electronics equipment for your design.

∆ Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., Itd. 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.



2

Data Sheet

Continued from the preceding page.

Part Number	Capacitance	DC Resistance	Rated Current	Rated Voltage	Insulation Resistance (min.)	Operating Temperature Range
NFR21GD1012202	100pF±20%	22ohm±30%	50mA	50Vdc	1000M ohm	-40 to +85°C
NFR21GD1014702	100pF±20%	47ohm±30%	35mA	50Vdc	1000M ohm	-40 to +85°C
NFR21GD1016802	100pF±20%	680hm±30%	30mA	50Vdc	1000M ohm	-40 to +85°C
NFR21GD1011012	100pF±20%	100ohm±30%	25mA	50Vdc	1000M ohm	-40 to +85°C

Number of Circuit: 1

■ ①Caution/Notice

ACaution (Rating)

Do not use products beyond the rated current and rated voltage as this may create excessive heat and deteriorate the insulation resistance. 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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