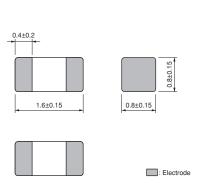
EMIFIL[®] (Inductor type) Chip Ferrite Bead BLM18P Series (0603 Size)

Dimensions



(in mm)

Equivalent Circuit

(Resistance element becomes dominant at high frequencies.)

Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000
В	Bulk(Bag)	1000

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM18PG300SN1	30ohm (Typ.)	-	1000mA	0.05ohm max.	-55 to +125°C	
BLM18PG330SN1	33ohm ±25%	-	3000mA	0.025ohm max.	-55 to +125°C	
BLM18PG600SN1	60ohm (Typ.)	-	500mA	0.10ohm max.	-55 to +125°C	
BLM18PG121SN1	120ohm ±25%	-	2000mA	0.05ohm max.	-55 to +125°C	
BLM18PG181SN1	180ohm ±25%	-	1500mA	0.09ohm max.	-55 to +125°C	
BLM18PG221SN1	220ohm ±25%	-	1400mA	0.10ohm max.	-55 to +125°C	
BLM18PG331SN1	330ohm ±25%	-	1200mA	0.15ohm max.	-55 to +125°C	
BLM18PG471SN1	470ohm ±25%	-	1000mA	0.20ohm max.	-55 to +125°C	

Number of Circuits: 1

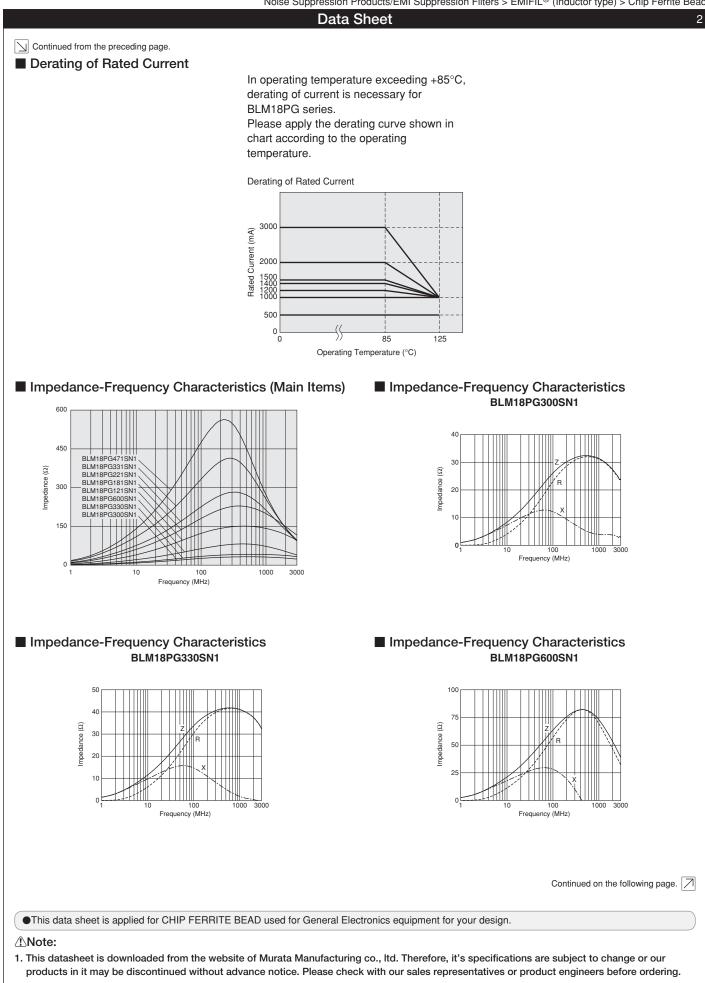
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•This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

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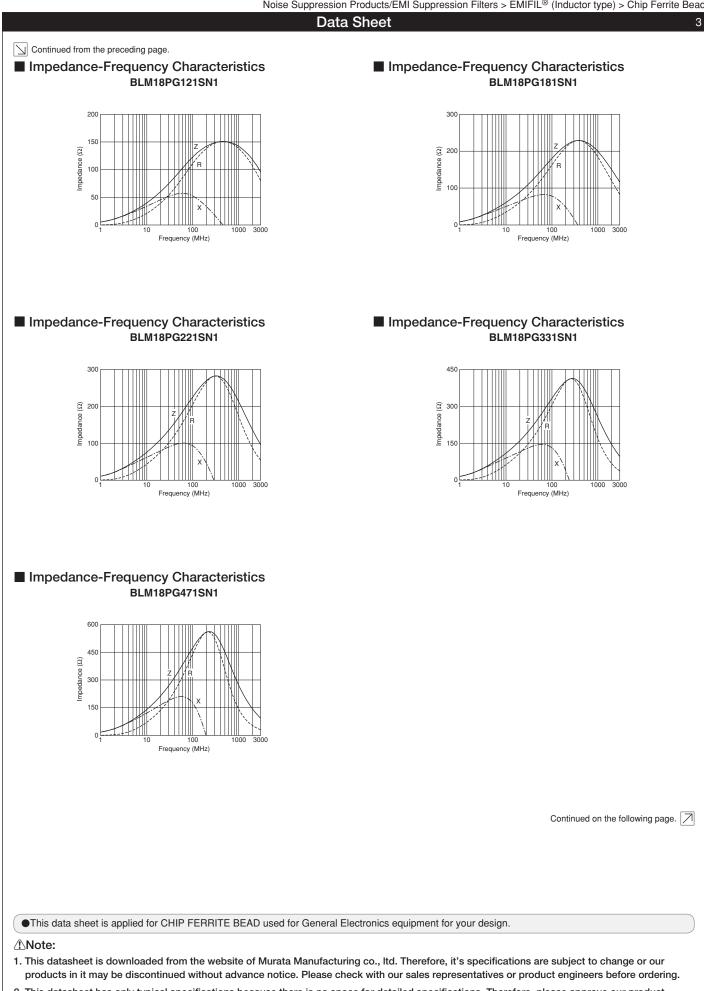
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■ ①Caution/Notice

Do not use products beyond the rated current 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.

4

•This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

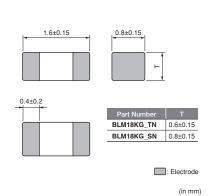
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EMIFIL[®] (Inductor type) Chip Ferrite Bead BLM18K Series (0603 Size)

Dimensions



Equivalent Circuit

(Resistance element becomes dominant at high frequencies.)

Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000
В	Bulk(Bag)	1000

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Bated Current		Operating Temperature Range	
BLM18KG260TN1	26ohm ±25%	-	6000mA	0.007ohm max.	-55 to +125°C	
BLM18KG300TN1	30ohm ±25%	-	5000mA	0.010ohm max.	-55 to +125°C	
BLM18KG700TN1	70ohm ±25%	-	3500mA	0.022ohm max.	-55 to +125°C	
BLM18KG101TN1	100ohm ±25%	-	3000mA	0.030ohm max.	-55 to +125°C	
BLM18KG121TN1	120ohm ±25%	-	3000mA	0.030ohm max.	-55 to +125°C	
BLM18KG221SN1	220ohm ±25%	-	2200mA	0.050ohm max.	-55 to +125°C	
BLM18KG331SN1	330ohm ±25%	-	1700mA	0.080ohm max.	-55 to +125°C	
BLM18KG471SN1	470ohm ±25%	-	1500mA	0.130ohm max.	-55 to +125°C	
BLM18KG601SN1	600ohm ±25%	-	1300mA	0.150ohm max.	-55 to +125°C	

Number of Circuits: 1

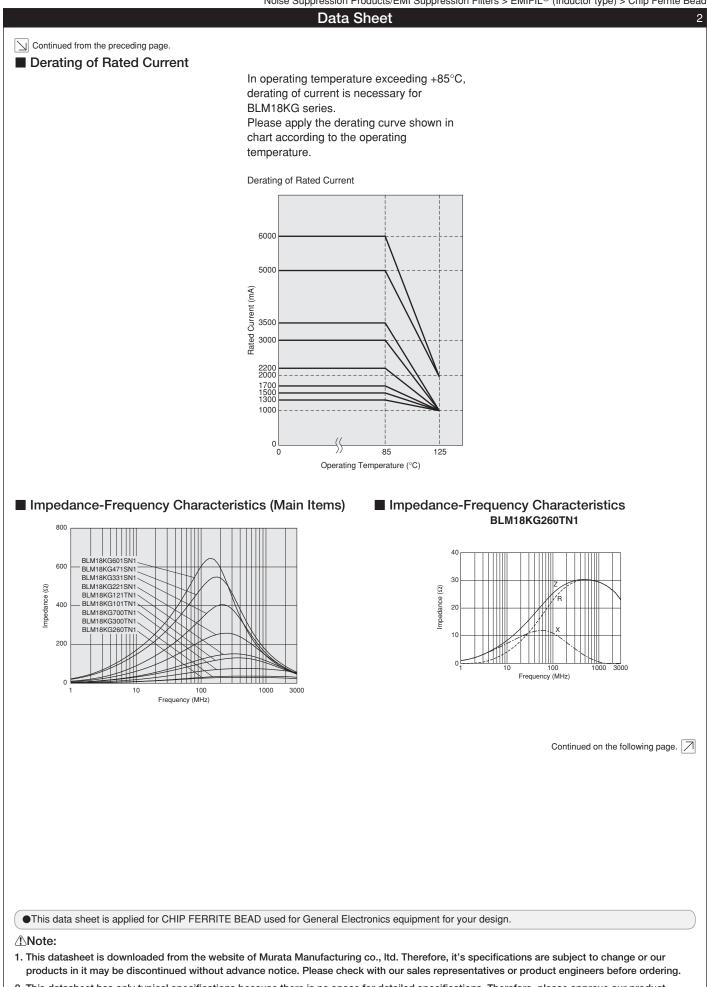
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•This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

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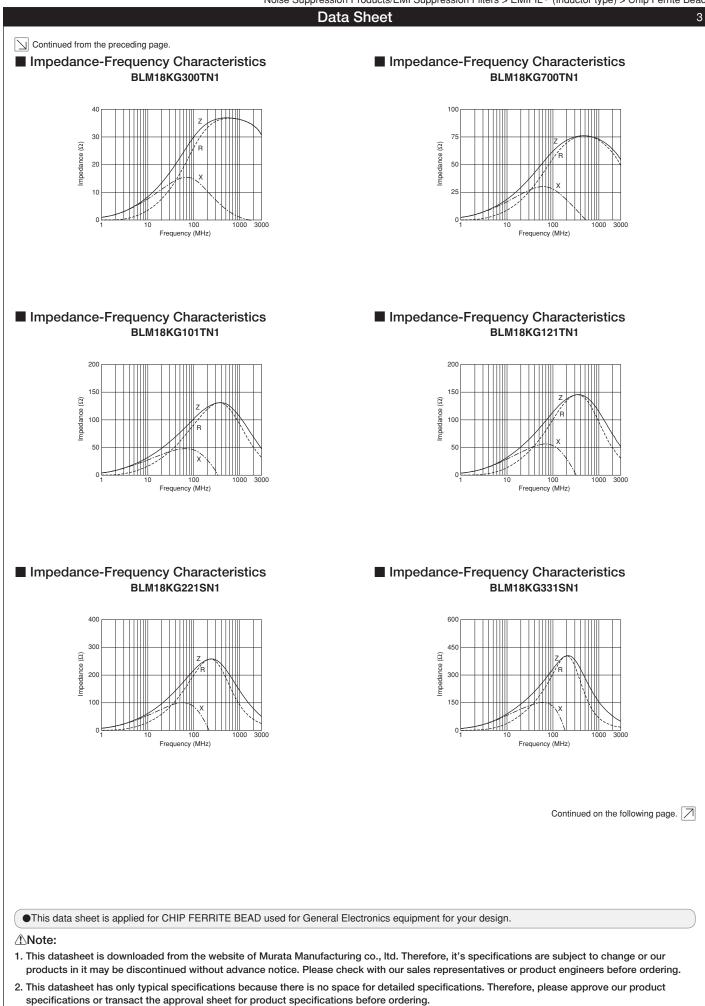
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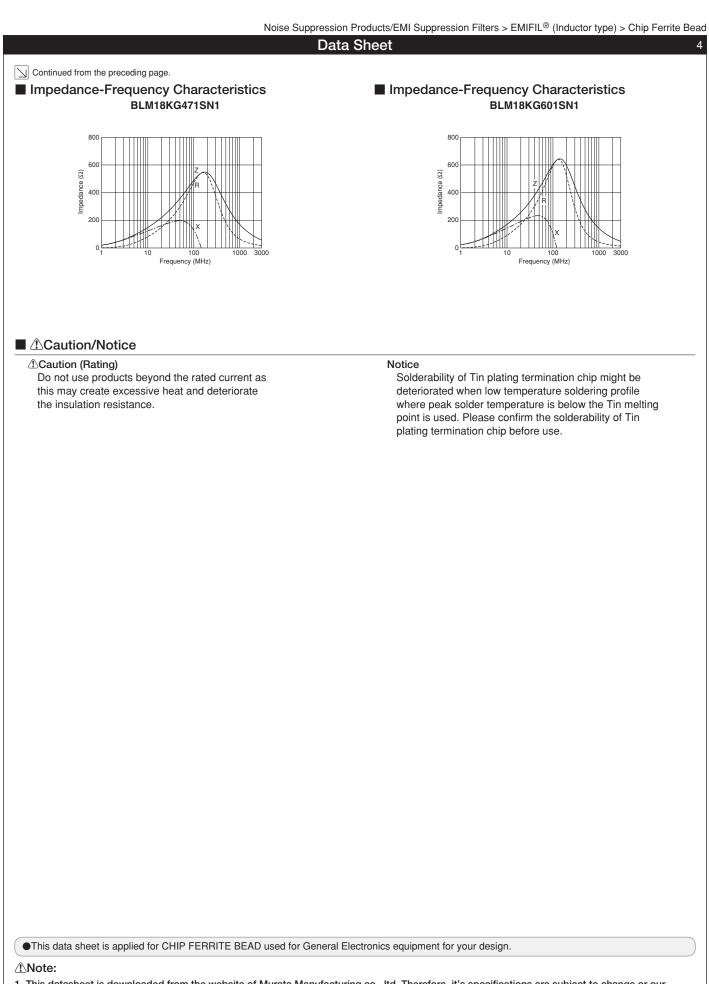












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Noise Suppression Products/EMI Suppression Filters > EMIFIL® (Inductor type) > Chip Ferrite Bead for GHz Noise

Data Sheet

EMIFIL[®] (Inductor type) Chip Ferrite Bead for GHz Noise BLM18E Series (0603 Size) Equivalent Circuit Dimensions 1.6±0.15 0.8±0.15



(Resistance element becomes dominant at high frequencies.)

Packaging

0.4±0.2

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000
В	Bulk(Bag)	1000

BLM18EG DTN1 0.5±0.15

BLM18EG SN1 0.8±0.15

: Electrode (in mm)

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Bated Current		Operating Temperature Range
BLM18EG101TN1	100ohm ±25%	140ohm (Typ.)	2000mA	0.045ohm max.	-55 to +125°C
BLM18EG121SN1	120ohm ±25%	145ohm (Typ.)	2000mA	0.04ohm max.	-55 to +125°C
BLM18EG221SN1	220ohm ±25%	260ohm (Typ.)	2000mA	0.05ohm max.	-55 to +125°C
BLM18EG221TN1	220ohm ±25%	300ohm (Typ.)	1000mA	0.15ohm max.	-55 to +125°C
BLM18EG331TN1	330ohm ±25%	450ohm (Typ.)	500mA	0.21ohm max.	-55 to +125°C
BLM18EG391TN1	390ohm ±25%	520ohm (Typ.)	500mA	0.3ohm max.	-55 to +125°C
BLM18EG471SN1	470ohm ±25%	550ohm (Typ.)	500mA	0.21ohm max.	-55 to +125°C
BLM18EG601SN1	600ohm ±25%	700ohm (Typ.)	500mA	0.35ohm max.	-55 to +125°C

Number of Circuits: 1

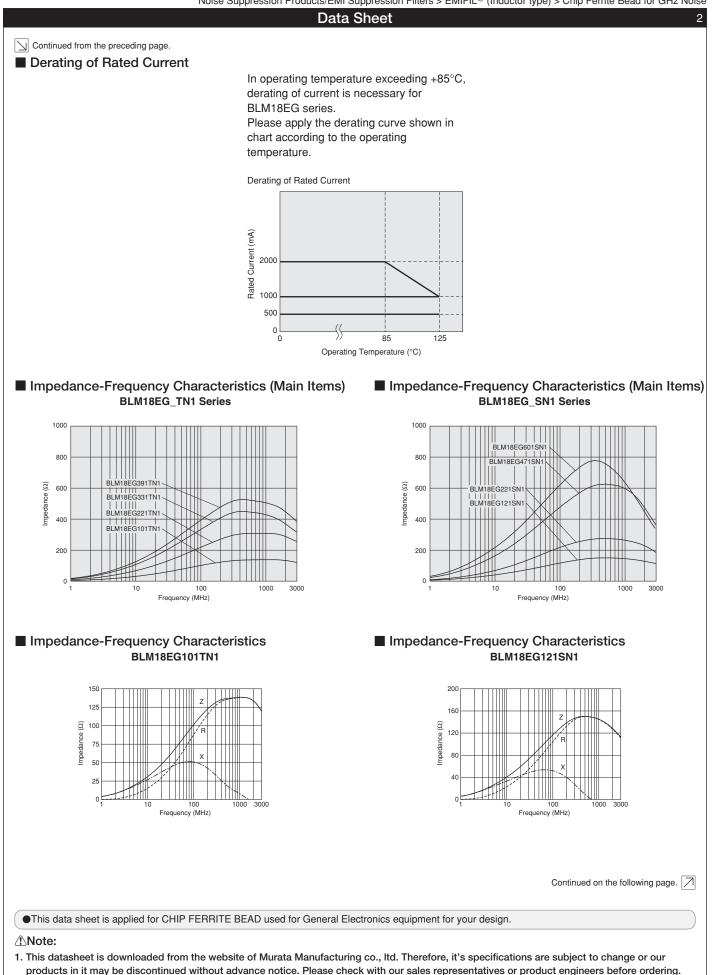
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•This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

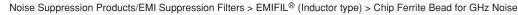
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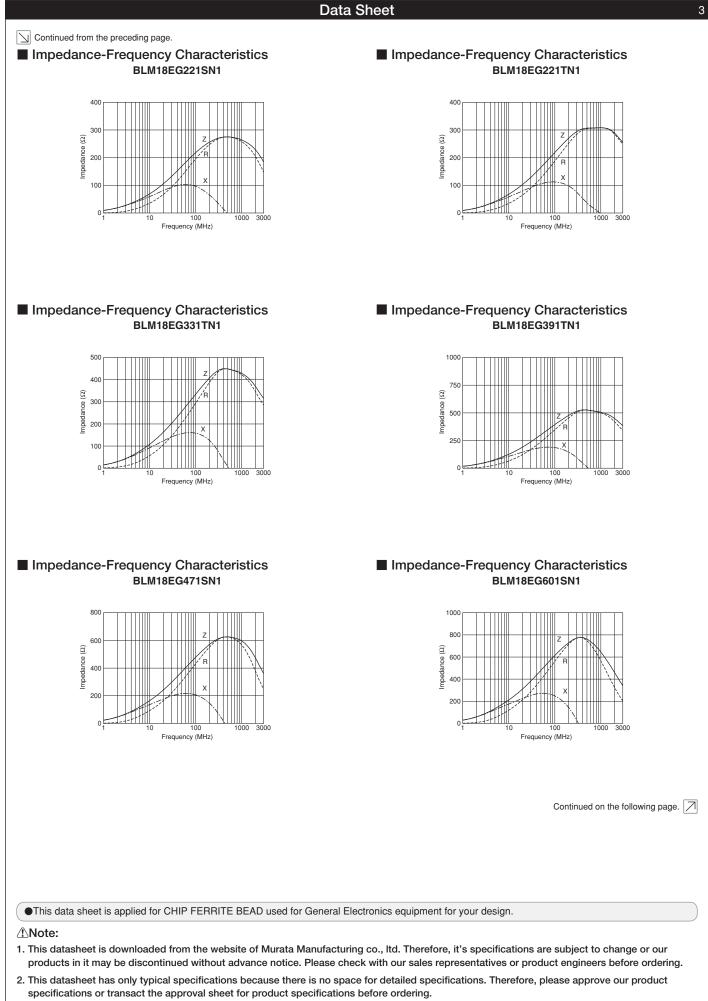
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■ ①Caution/Notice

Do not use products beyond the rated current 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.

4

•This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

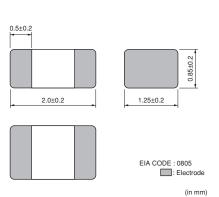
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EMIFIL[®] (Inductor type) Chip Ferrite Bead BLM21P Series (0805 Size)

Dimensions



Equivalent Circuit

(Resistance element becomes dominant at high frequencies.)

Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000
В	Bulk(Bag)	1000

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
BLM21PG220SN1	22ohm ±25%	-	6000mA	0.009ohm max.	-55 to +125°C
BLM21PG300SN1	30ohm (Typ.)	-	4000mA	0.014ohm max.	-55 to +125°C
BLM21PG600SN1	60ohm ±25%	-	3500mA	0.02ohm max.	-55 to +125°C
BLM21PG121SN1	120ohm ±25%	-	3000mA	0.03ohm max.	-55 to +125°C
BLM21PG221SN1	220ohm ±25%	-	2000mA	0.045ohm max.	-55 to +125°C
BLM21PG331SN1	330ohm ±25%	-	1500mA	0.07ohm max.	-55 to +125°C

Number of Circuits: 1

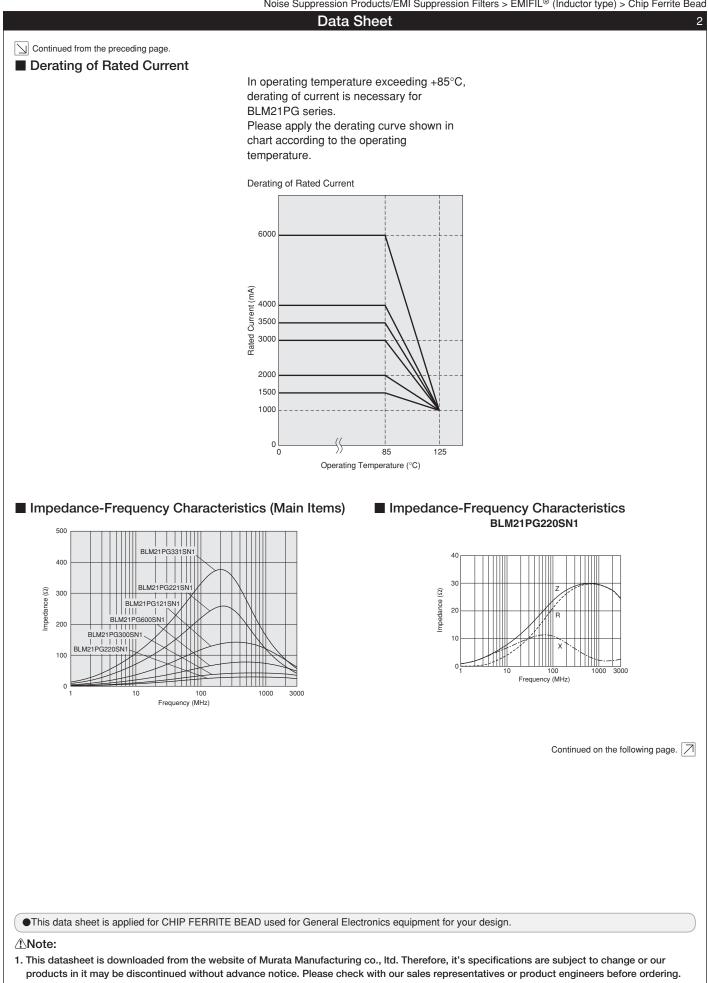
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•This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

ANote:

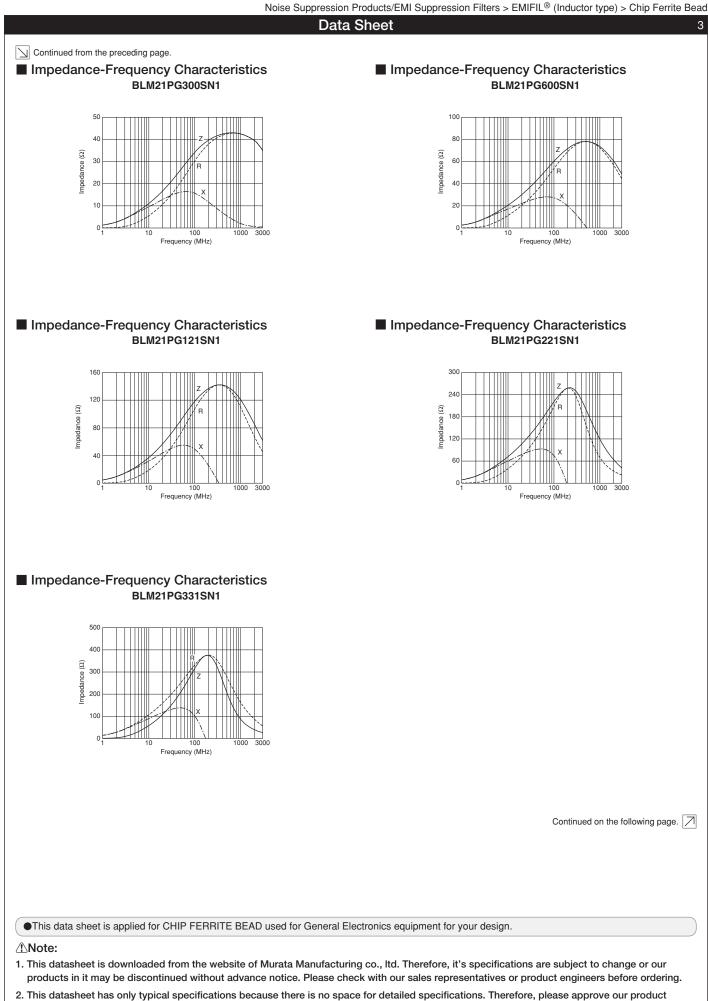
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specifications or transact the approval sheet for product specifications before ordering.



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■ ①Caution/Notice

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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.

4

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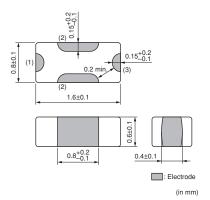
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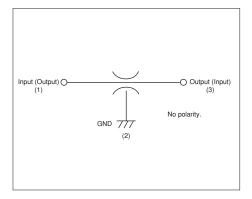


EMIFIL[®] (Capacitor type) Single Circuit Type for Large Current NFM18PS Series (0603 Size)

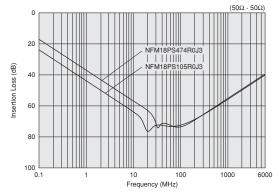
Dimensions



Equivalent Circuit



Insertion Loss Characteristics (Main Items)



Packaging

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

■ Rated Value (□: packaging code)

Part Number	Capacitance	Rated Current	Rated Voltage	Insulation Resistance (min.)	Operating Temperature Range
NFM18PS474R0J3	0.47µF ±20%	2A	6.3Vdc	1000M ohm	-55 to +125°C
NFM18PS105R0J3	1.0µF ±20%	2A	6.3Vdc	500M ohm	-55 to +105°C

Number of Circuit: 1

■ ①Caution/Notice

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

Notice

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

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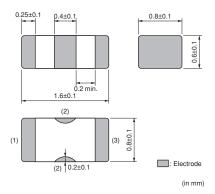


Noise Suppression Products/EMI Suppression Filters > EMIFIL® (Capacitor type) > Single Circuit Type for Large Current

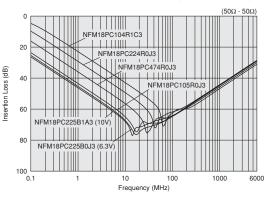
Data Sheet

EMIFIL[®] (Capacitor type) Single Circuit Type for Large Current NFM18PC Series (0603 Size) Dimensions Dimensions





Insertion Loss Characteristics (Main Items)



Packaging

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

Rated Value (packaging code)

Part Number	Capacitance	Rated Current	Rated Voltage	Insulation Resistance (min.)	Operating Temperature Range
NFM18PC104R1C3	0.1µF ±20%	2A	16Vdc	1000M ohm	-55 to +125°C
NFM18PC224R0J3	0.22µF ±20%	2A	6.3Vdc	1000M ohm	-55 to +125°C
NFM18PC474R0J3	0.47µF ±20%	2A	6.3Vdc	1000M ohm	-55 to +125°C
NFM18PC105R0J3	1.0µF ±20%	4A	6.3Vdc	500M ohm	-55 to +105°C
NFM18PC225B0J3	2.2µF ±20%	2A	6.3Vdc	200M ohm	-40 to +85°C
NFM18PC225B1A3	2.2µF ±20%	4A	10Vdc	200M ohm	-40 to +85°C

Number of Circuit: 1

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

/Note:

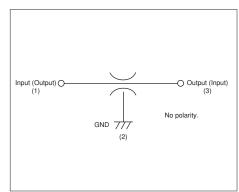
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2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

0.2 min. 0.2 mir (2) 0.8±0.1 (1 (3) (2) 0.25±0.1 0.25±0.1 0.8±0.1 0.4±0. 1.6±0. : Electrode (in mm)

NFM18PC (1µF, 2.2µF - 10V)

Equivalent Circuit





Continued from the preceding page.

■ ①Caution/Notice

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Notice

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2

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