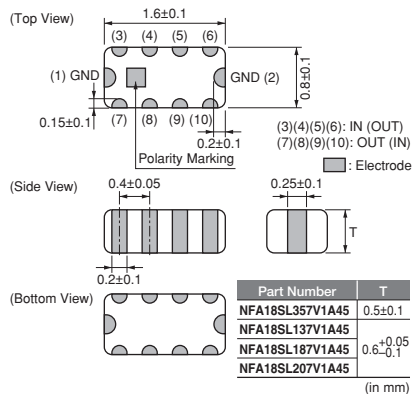


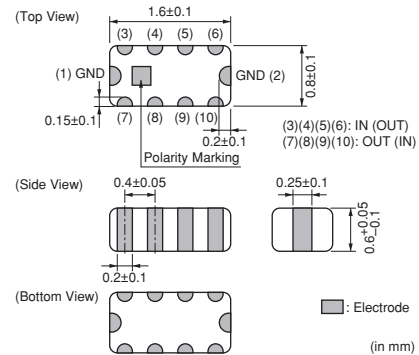
EMIFIL® (LC Combined) Array

NFA18SL_V Series (0603 Size)

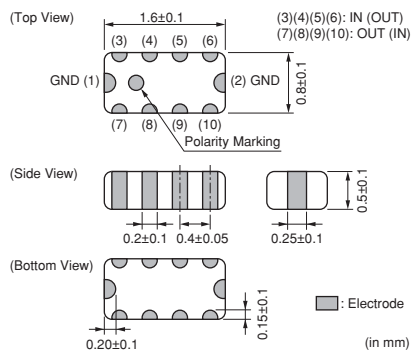
■ Dimensions (NFA18SL 137/187/207/357 V1A45)



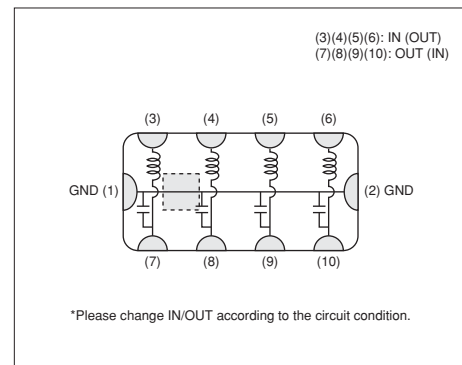
■ Dimensions (NFA18SL 227 V1A45)



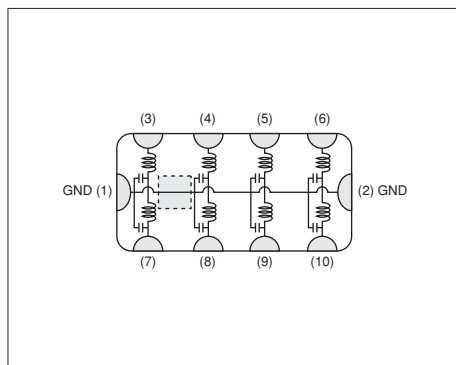
■ Dimensions (NFA18SL 307/407/487 V1A45)



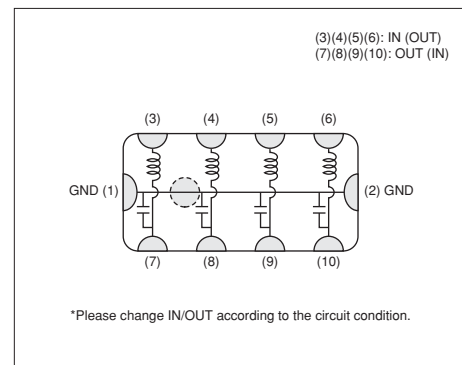
■ Equivalent Circuit (NFA18SL 137/187/207/357 V1A45)



■ Equivalent Circuit (NFA18SL 227 V1A45)



■ Equivalent Circuit (NFA18SL 307/407/487 V1A45)



Continued on the following page.

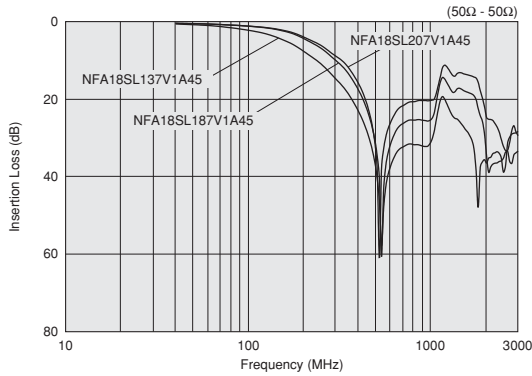
● This data sheet is applied for LC Combined CHIP EMIFIL® used for General Electronics equipment for your design.

⚠ Note:

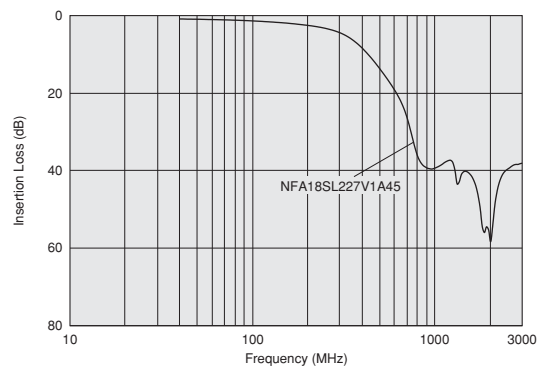
1. This datasheet is downloaded from the website of Murata Manufacturing co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet 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.

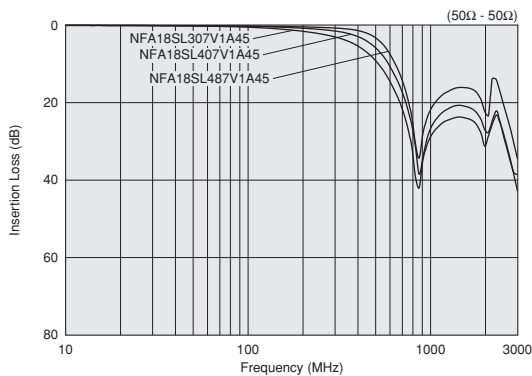
■ Insertion Loss Characteristics (Main Items)



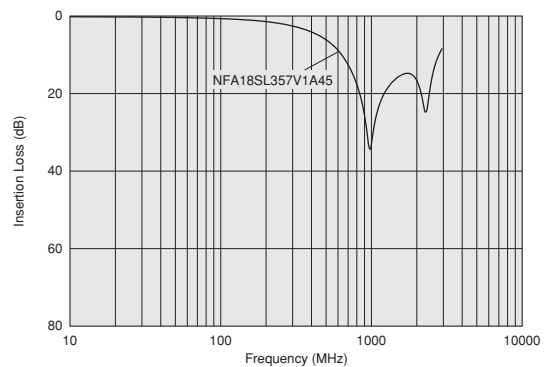
■ Insertion Loss Characteristics (Main Items)



■ Insertion Loss Characteristics (Main Items)



■ Insertion Loss Characteristics (Main Items)



■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	4000
B	Bulk(Bag)	1000

■ Rated Value (□: packaging code)

Part Number	Nominal Cut-off Frequency	Insertion Loss (Cut-off Frequency)	Insertion Loss (470MHz) (min.)	Insertion Loss (800MHz) (min.)	Insertion Loss (900MHz) (min.)	Insertion Loss (2000MHz) (min.)	Rated Current	Rated Voltage	Insulation Resistance (min.)	Withstand Voltage	Operating Temperature Range
NFA18SL137V1A45□	130MHz	6dB max	25dB	-	25dB	-	50mA	10Vdc	1000M ohm	30Vdc	-40 to +85°C
NFA18SL187V1A45□	180MHz	6dB max	20dB	-	20dB	-	50mA	10Vdc	1000M ohm	30Vdc	-40 to +85°C
NFA18SL207V1A45□	200MHz	6dB max	15dB	-	15dB	-	50mA	10Vdc	1000M ohm	30Vdc	-40 to +85°C
NFA18SL227V1A45□	220MHz	6dB max	-	-	30dB	30dB	25mA	10Vdc	1000M ohm	30Vdc	-40 to +85°C
NFA18SL307V1A45□	300MHz	6dB max	-	20dB	20dB	-	100mA	10Vdc	1000M ohm	30Vdc	-55 to +125°C
NFA18SL357V1A45□	350MHz	6dB max	-	-	15dB	13dB	35mA	10Vdc	1000M ohm	30Vdc	-40 to +85°C
NFA18SL407V1A45□	400MHz	6dB max	-	18dB	18dB	-	100mA	10Vdc	1000M ohm	30Vdc	-55 to +125°C
NFA18SL487V1A45□	480MHz	6dB max	-	15dB	15dB	-	100mA	10Vdc	1000M ohm	30Vdc	-55 to +125°C


Number of Circuits: 4

Continued on the following page.

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

⚠ Note:

- 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.
- 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)

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.

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

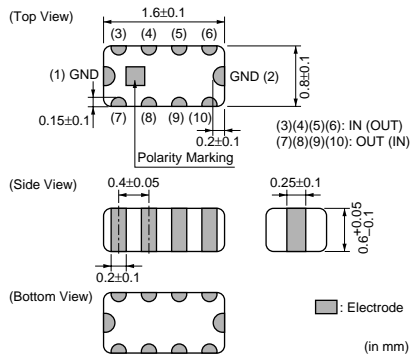
⚠ Note:

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.

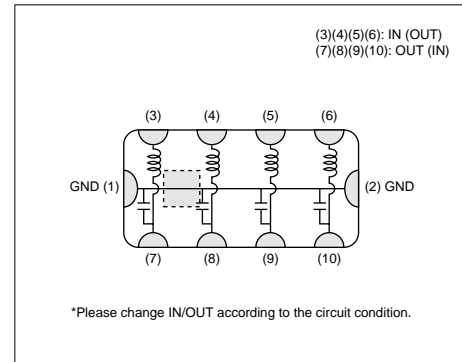
EMIFIL® (LC Combined) Array

NFA18SL_X Series (0603 Size)

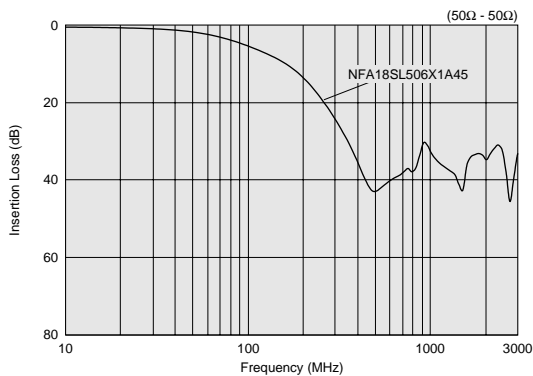
■ Dimensions



■ Equivalent Circuit



■ Insertion Loss Characteristics (Main Items)



■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	4000
B	Bulk(Bag)	1000

■ Rated Value (□: packaging code)

Part Number	Nominal Cut-off Frequency	Insertion Loss (Cut-off Frequency)	Insertion Loss (500MHz) (min.)	Insertion Loss (1000MHz) (min.)	Rated Current	Rated Voltage	Insulation Resistance (min.)	Withstand Voltage
NFA18SL506X1A45□	50MHz	6dBmax	30dB	25dB	25mA	10Vdc	1000M ohm	30Vdc

Operating Temperature Range: -40 to +85°C Number of Circuits: 4

■ ⚠ Caution/Notice

⚠ Caution (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.

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

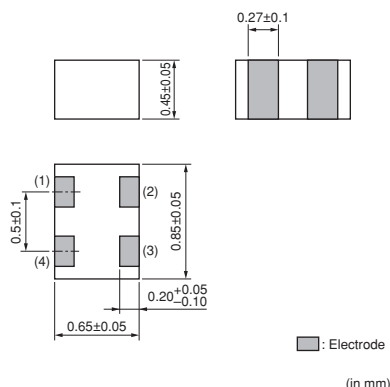
⚠ Note:

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.

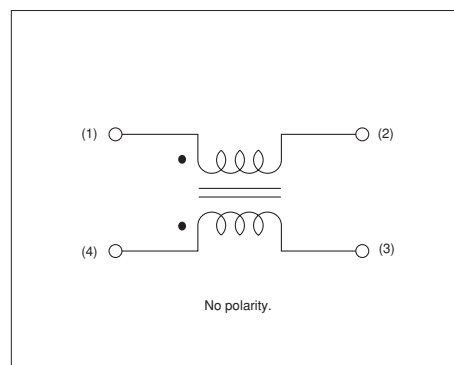
Common Mode Choke Coil Film Type

DLP0NS Series (03025 Size)

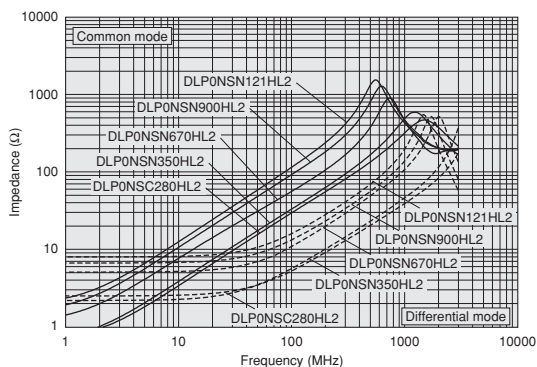
■ Dimensions



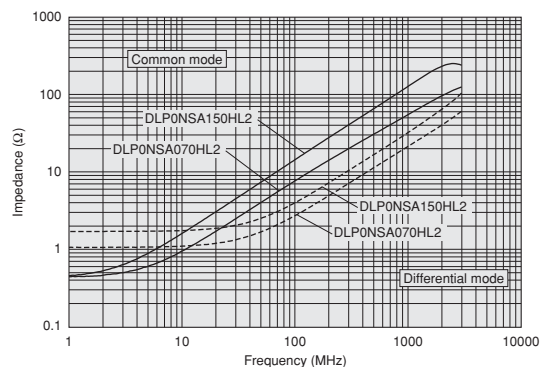
■ Equivalent Circuit



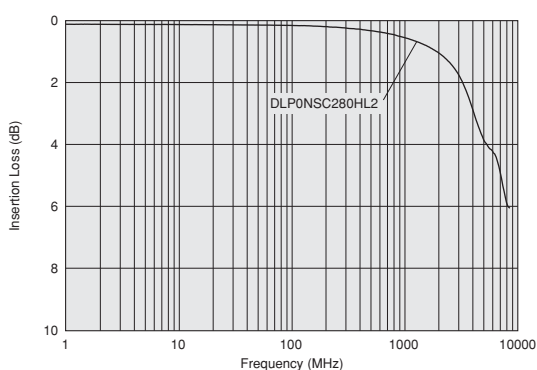
■ Impedance-Frequency Characteristics (Main Items) DLP0NSC/DLP0NSN Series



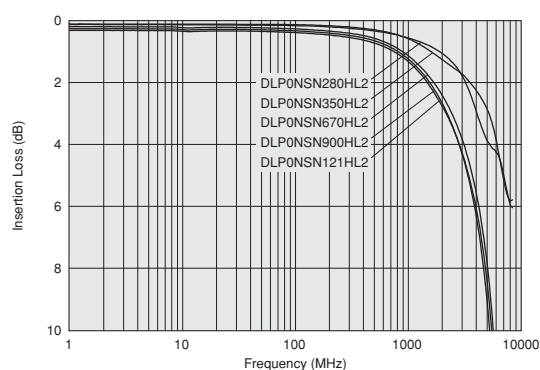
■ Impedance-Frequency Characteristics (Main Items) DLP0NSA Series



■ Differential Mode Transmission Characteristics (Typ.) DLP0NSC Series



■ Differential Mode Transmission Characteristics (Typ.) DLP0NSN Series



Continued on the following page.

● This data sheet is applied for CHIP COMMON MODE CHOKE COIL used for General Electronics equipment for your design.

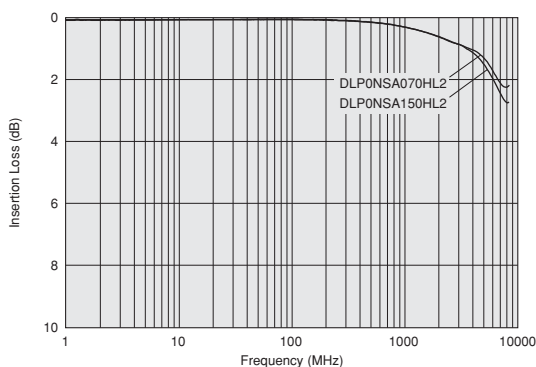
⚠ Note:

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.

■ Differential Mode Transmission Characteristics (Typ.)

DLP0NSA Series



■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	10000
B	Bulk(Bag)	500

■ Rated Value (□: packaging code)

Part Number	Common Mode Impedance (at 100MHz/20°C)	Rated Current	Rated Voltage	Insulation Resistance (min.)	Withstand Voltage	DC Resistance	Operating Temperature Range
DLP0NSC280HL2□	28ohm ±20%	100mA	5Vdc	100M ohm	12.5Vdc	1.3ohm±25%	-40 to +85°C
DLP0NSN350HL2□	35ohm ±10ohm	100mA	5Vdc	100M ohm	12.5Vdc	1.2ohm±25%	-40 to +85°C
DLP0NSN670HL2□	67ohm ±20%	110mA	5Vdc	100M ohm	12.5Vdc	2.4ohm±25%	-40 to +85°C
DLP0NSN900HL2□	90ohm ±20%	100mA	5Vdc	100M ohm	12.5Vdc	3.0ohm±25%	-40 to +85°C
DLP0NSN121HL2□	120ohm ±20%	90mA	5Vdc	100M ohm	12.5Vdc	3.8ohm±25%	-40 to +85°C
DLP0NSA070HL2□	7ohm ±2ohm	100mA	5Vdc	100M ohm	12.5Vdc	0.6ohm±25%	-40 to +85°C
DLP0NSA150HL2□	15ohm ±5ohm	100mA	5Vdc	100M ohm	12.5Vdc	0.95ohm±25%	-40 to +85°C

Number of Circuit: 1

■ ⚠ Caution/Notice

⚠ Caution (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.

● This data sheet is applied for CHIP COMMON MODE CHOKE COIL used for General Electronics equipment for your design.

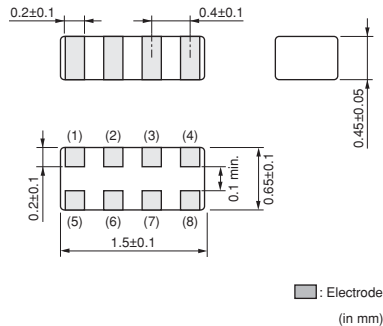
⚠ Note:

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.

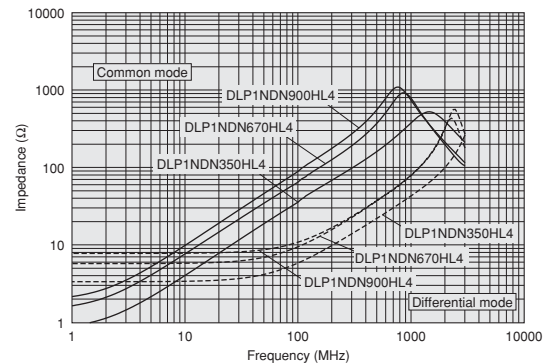
Common Mode Choke Coil Film Type (Array)

DLP1ND Series (05025 Size)

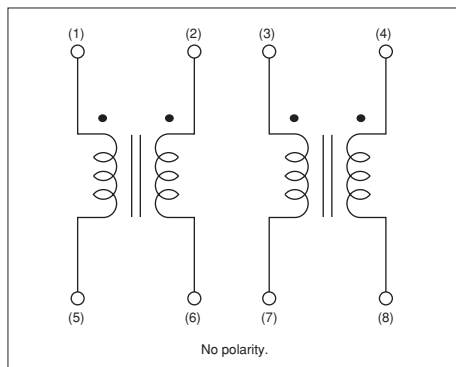
■ Dimensions



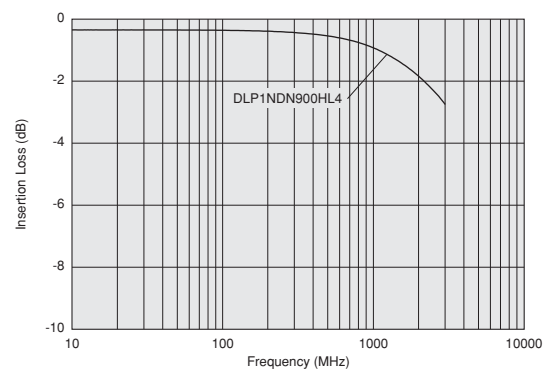
■ Impedance-Frequency Characteristics (Main Items)



■ Equivalent Circuit



■ Differential Mode Transmission Characteristics



■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	5000
B	Bulk(Bag)	500

■ Rated Value (□: packaging code)

Part Number	Common Mode Impedance (at 100MHz/20°C)	Rated Current	Rated Voltage	Insulation Resistance (min.)	Withstand Voltage	DC Resistance	Operating Temperature Range
DLP1NDN350HL4□	35ohm ±20%	100mA	5Vdc	100M ohm	12.5Vdc	1.8ohm±25%	-40 to +85°C
DLP1NDN670HL4□	67ohm ±20%	80mA	5Vdc	100M ohm	12.5Vdc	2.9ohm±25%	-40 to +85°C
DLP1NDN900HL4□	90ohm ±20%	60mA	5Vdc	100M ohm	12.5Vdc	3.7ohm±25%	-40 to +85°C

Number of Circuit: 2

Continued on the following page.

● This data sheet is applied for CHIP COMMON MODE CHOKE COIL used for General Electronics equipment for your design.

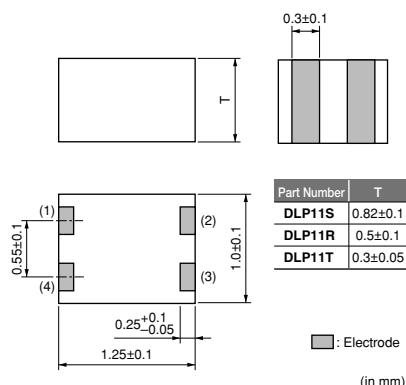
⚠ Note:

- 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.
- 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.

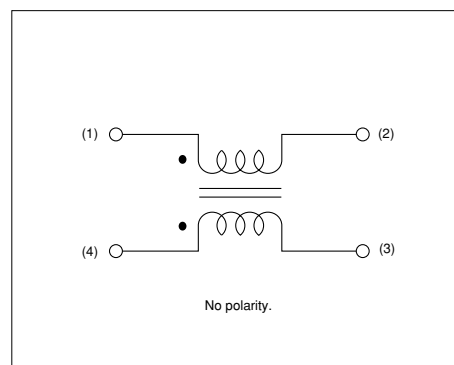
Common Mode Choke Coil Film Type

DLP11S/DLP11R/DLP11T Series (0504 Size)

■ Dimensions

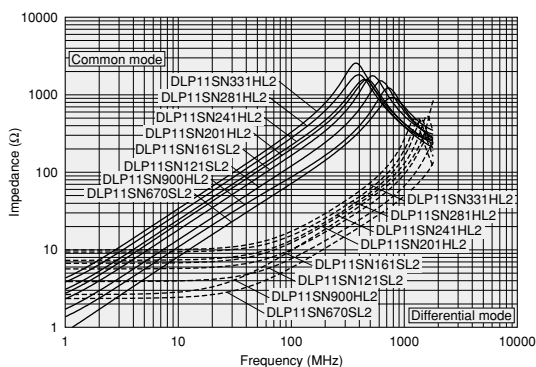


■ Equivalent Circuit



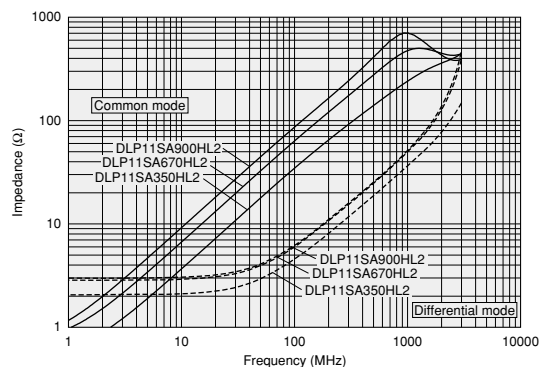
■ Impedance-Frequency Characteristics (Main Items)

DLP11SN Series



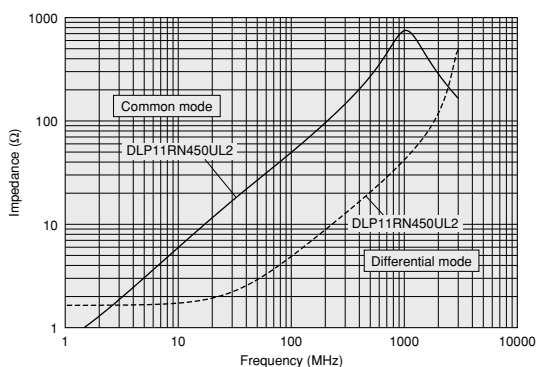
■ Impedance-Frequency Characteristics (Main Items)

DLP11SA Series



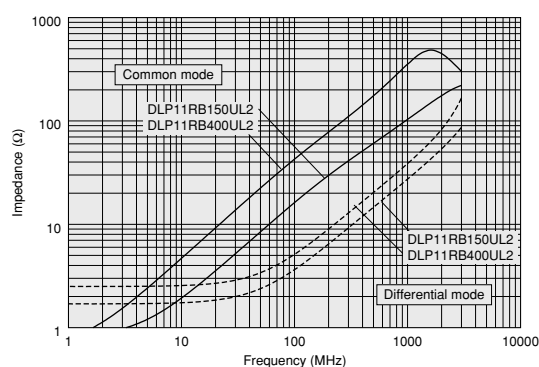
■ Impedance-Frequency Characteristics (Main Items)

DLP11RN Series



■ Impedance-Frequency Characteristics (Main Items)

DLP11RB Series



Continued on the following page.

● This data sheet is applied for CHIP COMMON MODE CHOKE COIL used for General Electronics equipment for your design.

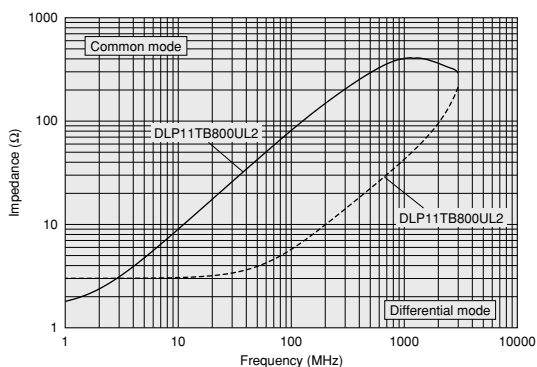
⚠ Note:

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.

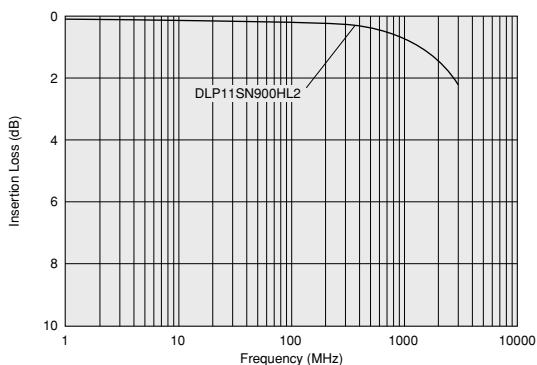
■ Impedance-Frequency Characteristics (Main Items)

DLP11TB Series



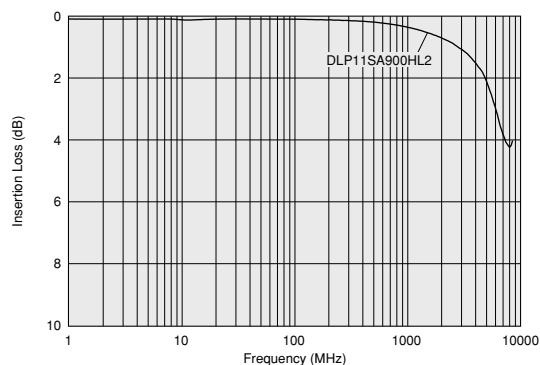
■ Differential Mode Transmission Characteristics (Typ.)

DLP11SN Series



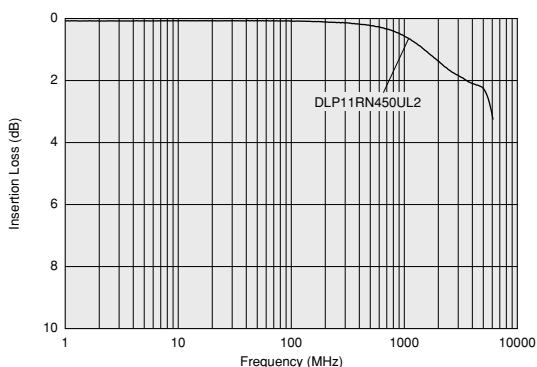
■ Differential Mode Transmission Characteristics (Typ.)

DLP11SA Series



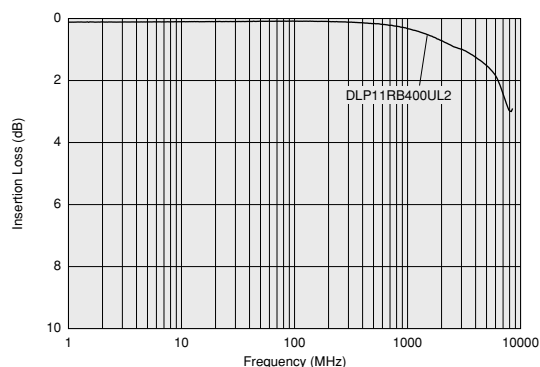
■ Differential Mode Transmission Characteristics (Typ.)

DLP11RN Series



■ Differential Mode Transmission Characteristics (Typ.)

DLP11RB Series



Continued on the following page.

● This data sheet is applied for CHIP COMMON MODE CHOKE COIL used for General Electronics equipment for your design.

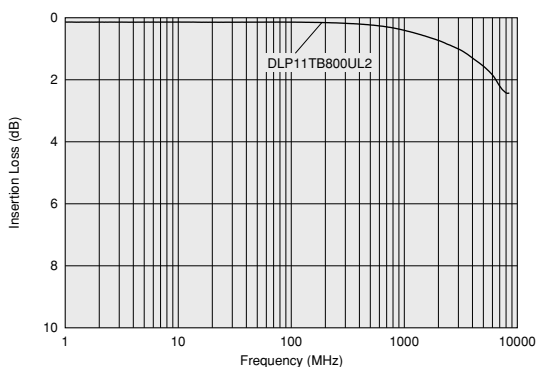
⚠ Note:

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.

Differential Mode Transmission Characteristics (Typ.)

DLP11TB Series



Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	3000 (DLP11S)
		4000 (DLP11RN/RB)
		5000 (DLP11T)
B	Bulk(Bag)	500

Rated Value (□: packaging code)

Part Number	Common Mode Impedance (at 100MHz/20°C)	Rated Current	Rated Voltage	Insulation Resistance (min.)	Withstand Voltage	DC Resistance	Operating Temperature Range
DLP11SN670SL2□	67ohm ±20%	180mA	5Vdc	100M ohm	12.5Vdc	1.3ohm±25%	-40 to +85°C
DLP11SN121SL2□	120ohm ±20%	140mA	5Vdc	100M ohm	12.5Vdc	2.0ohm±25%	-40 to +85°C
DLP11SN161SL2□	160ohm ±20%	120mA	5Vdc	100M ohm	12.5Vdc	2.7ohm±25%	-40 to +85°C
DLP11SN900HL2□	90ohm ±20%	150mA	5Vdc	100M ohm	12.5Vdc	1.5ohm±25%	-40 to +85°C
DLP11SN201HL2□	200ohm ±20%	110mA	5Vdc	100M ohm	12.5Vdc	3.1ohm±25%	-40 to +85°C
DLP11SN241HL2□	240ohm ±20%	100mA	5Vdc	100M ohm	12.5Vdc	3.5ohm±25%	-40 to +85°C
DLP11SN281HL2□	280ohm ±20%	90mA	5Vdc	100M ohm	12.5Vdc	4.2ohm±25%	-40 to +85°C
DLP11SN331HL2□	330ohm ±20%	80mA	5Vdc	100M ohm	12.5Vdc	4.9ohm±25%	-40 to +85°C
DLP11SA350HL2□	35ohm ±20%	170mA	5Vdc	100M ohm	12.5Vdc	0.9ohm±25%	-40 to +85°C
DLP11SA670HL2□	67ohm ±20%	150mA	5Vdc	100M ohm	12.5Vdc	1.2ohm±25%	-40 to +85°C
DLP11SA900HL2□	90ohm ±20%	150mA	5Vdc	100M ohm	12.5Vdc	1.4ohm±25%	-40 to +85°C
DLP11RN450UL2□	45ohm ±25%	100mA	5Vdc	100M ohm	12.5Vdc	0.8ohm±25%	-40 to +85°C
DLP11RB150UL2□	15ohm ±5ohm	100mA	5Vdc	100M ohm	12.5Vdc	0.8ohm±25%	-40 to +85°C
DLP11RB400UL2□	40ohm ±10ohm	100mA	5Vdc	100M ohm	12.5Vdc	1.3ohm±25%	-40 to +85°C
DLP11TB800UL2□	80ohm ±25%	100mA	5Vdc	100M ohm	12.5Vdc	1.5ohm±25%	-40 to +85°C

Number of Circuit: 1

Differential mode to common mode conversion characteristic (Scd21) at 2.5GHz

DLP11RB/TB: -40dB

Impedance Characteristics between signal lines Z0 (TDR at 50ps)

DLP11RB/TB: 90ohm±15ohm

⚠ Caution/Notice

⚠ Caution (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.

● This data sheet is applied for CHIP COMMON MODE CHOKE COIL used for General Electronics equipment for your design.

⚠ Note:

- 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.
- 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.