



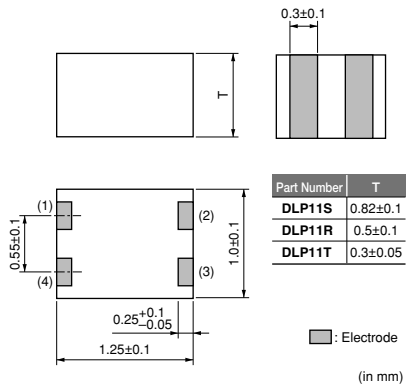
**THE DATASHEET OF  
DLP11SN241HL2L**



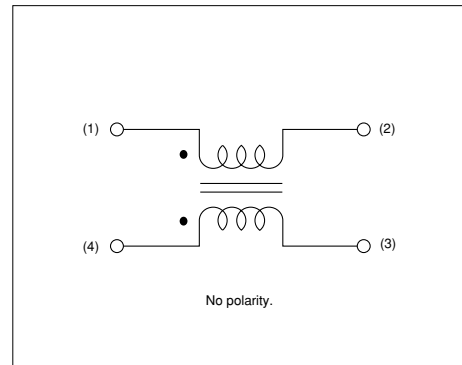
# Common Mode Choke Coil Film Type

## DLP11S/DLP11R/DLP11T Series (0504 Size)

### ■ Dimensions

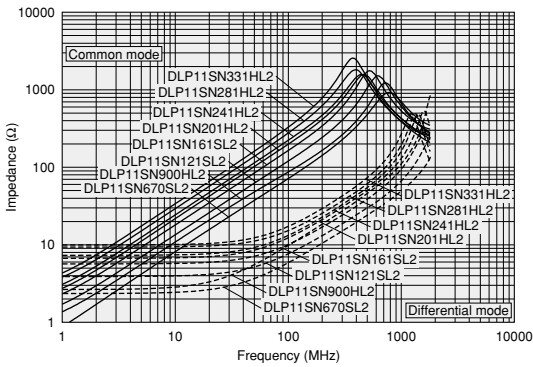


### ■ Equivalent Circuit



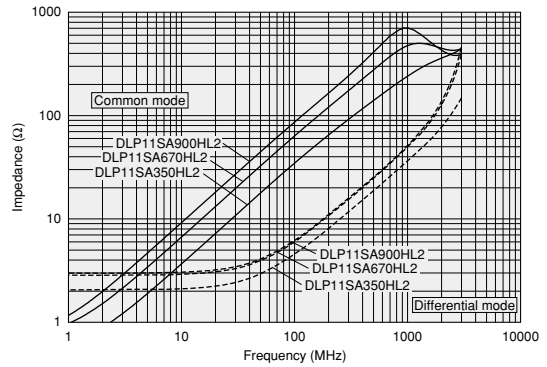
### ■ Impedance-Frequency Characteristics (Main Items)

#### DLP11SN Series



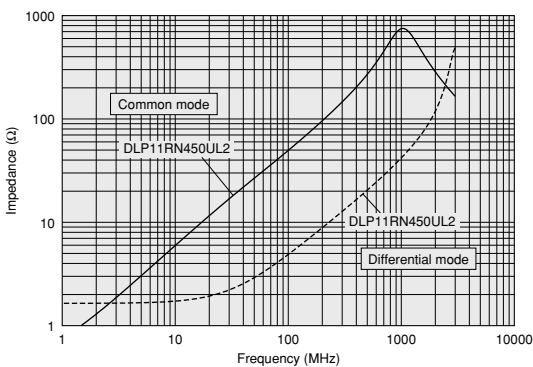
### ■ Impedance-Frequency Characteristics (Main Items)

#### DLP11SA Series



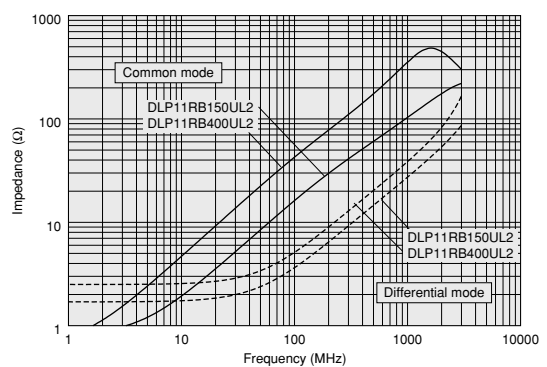
### ■ Impedance-Frequency Characteristics (Main Items)

#### 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.

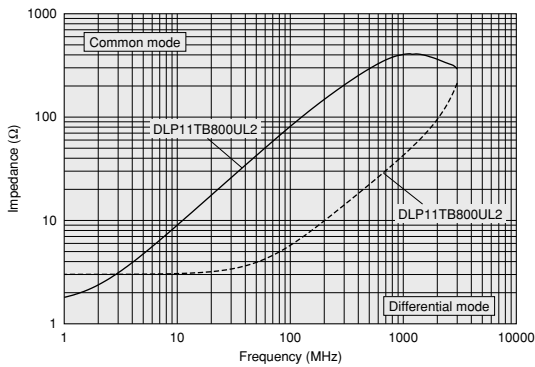
### ⚠ Note:

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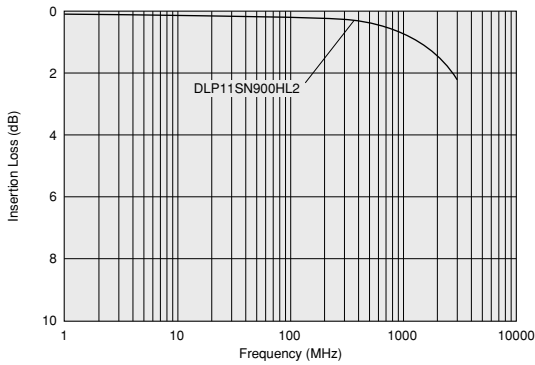
**Impedance-Frequency Characteristics (Main Items)**

**DLP11TB Series**



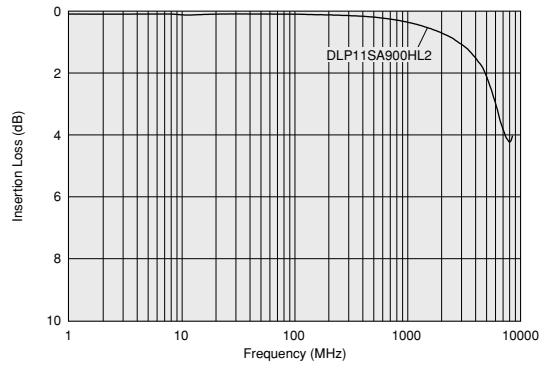
**Differential Mode Transmission Characteristics (Typ.)**

**DLP11SN Series**



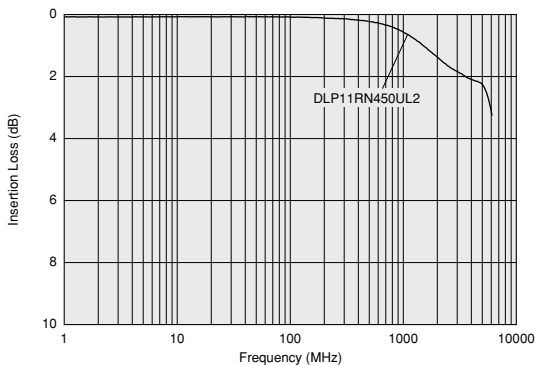
**Differential Mode Transmission Characteristics (Typ.)**

**DLP11SA Series**



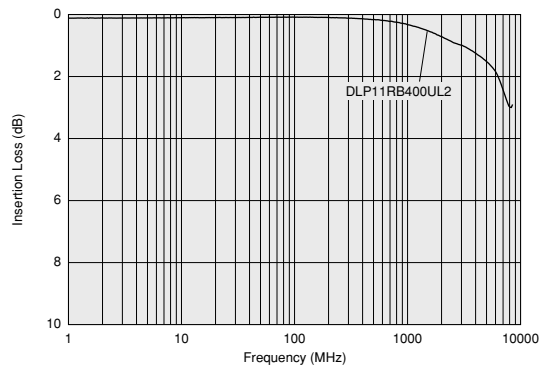
**Differential Mode Transmission Characteristics (Typ.)**

**DLP11RN Series**



**Differential Mode Transmission Characteristics (Typ.)**

**DLP11RB Series**




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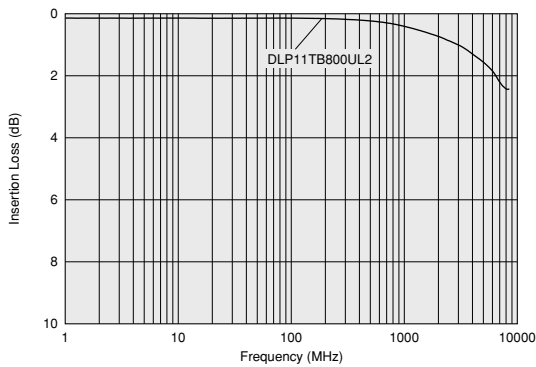
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## ■ Differential Mode Transmission Characteristics (Typ.)

### 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<br>(at 100MHz/20°C) | Rated Current | Rated Voltage | Insulation Resistance (min.) | Withstand Voltage | DC Resistance | Operating<br>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.

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