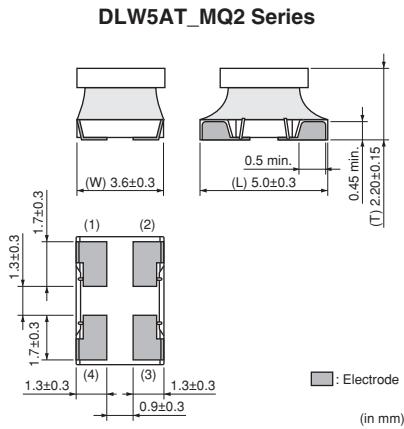


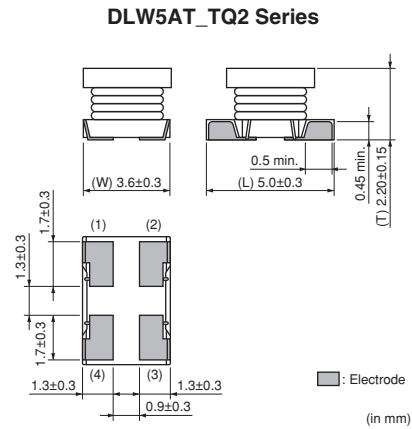
Common Mode Choke Coil Wire Wound Type for Large Current

DLW5AT/DLW5BT Series (105 degree C available type)

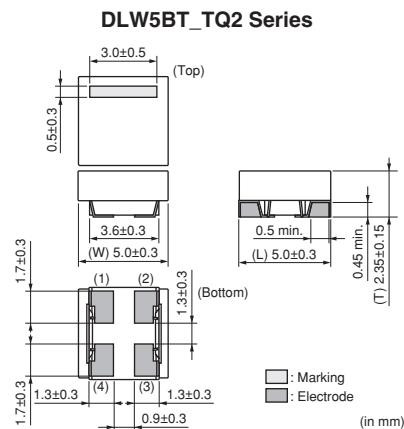
■ Dimensions



■ Dimensions

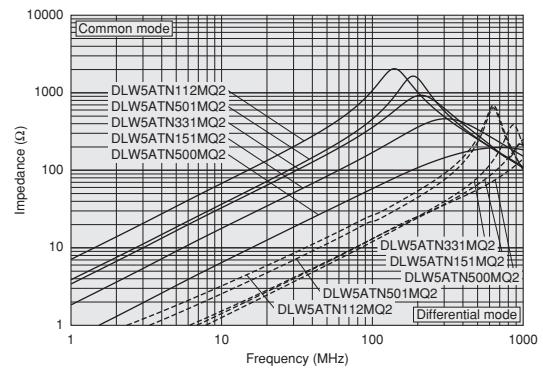


■ Dimensions



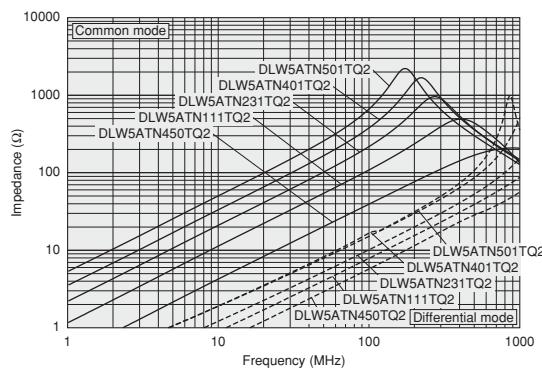
■ Impedance-Frequency Characteristics (Main Items)

DLW5AT_MQ2 Series



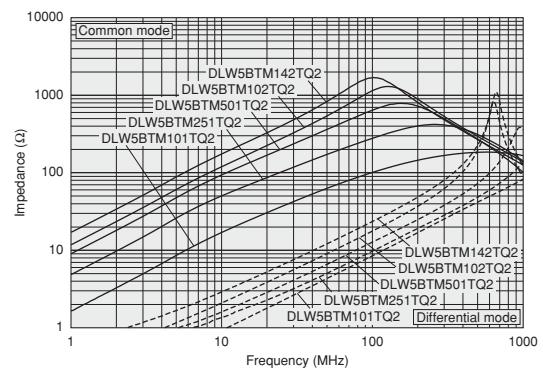
■ Impedance-Frequency Characteristics (Main Items)

DLW5AT_TQ2 Series



■ Impedance-Frequency Characteristics (Main Items)

DLW5BT_TQ2 Series



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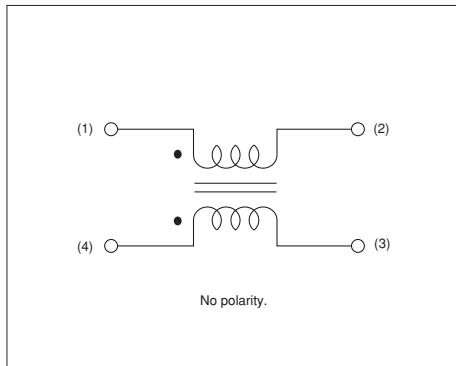
● This data sheet is applied for CHIP COMMON MODE CHOKE COIL used for General Electronics equipment for your design.

⚠ Note:

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Continued from the preceding page.

■ Equivalent Circuit



■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	700
K	330mm Embossed Tape	2500
B	Bulk(Bag)	100

■ 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
DLW5ATN500MQ2□	50ohm (Typ.)	6000mA	50Vdc	10M ohm	125Vdc	0.009ohm±40%	-40 to +105°C
DLW5ATN151MQ2□	150ohm (Typ.)	5000mA	50Vdc	10M ohm	125Vdc	0.014ohm±40%	-40 to +105°C
DLW5ATN331MQ2□	330ohm (Typ.)	4000mA	50Vdc	10M ohm	125Vdc	0.019ohm±40%	-40 to +105°C
DLW5ATN501MQ2□	500ohm (Typ.)	2500mA	50Vdc	10M ohm	125Vdc	0.024ohm±40%	-40 to +105°C
DLW5ATN112MQ2□	1100ohm (Typ.)	2000mA	50Vdc	10M ohm	125Vdc	0.040ohm±40%	-40 to +105°C
DLW5ATN450TQ2□	45ohm (Typ.)	7000mA	50Vdc	10M ohm	125Vdc	0.006ohm±40%	-40 to +105°C
DLW5ATN111TQ2□	110ohm (Typ.)	5000mA	50Vdc	10M ohm	125Vdc	0.014ohm±40%	-40 to +105°C
DLW5ATN231TQ2□	230ohm (Typ.)	4000mA	50Vdc	10M ohm	125Vdc	0.019ohm±40%	-40 to +105°C
DLW5ATN401TQ2□	400ohm (Typ.)	2500mA	50Vdc	10M ohm	125Vdc	0.024ohm±40%	-40 to +105°C
DLW5ATN501TQ2□	500ohm (Typ.)	2000mA	50Vdc	10M ohm	125Vdc	0.040ohm±40%	-40 to +105°C
DLW5BTM101TQ2□	100ohm (Typ.)	6000mA	50Vdc	10M ohm	125Vdc	0.009ohm±40%	-40 to +105°C
DLW5BTM251TQ2□	250ohm (Typ.)	5000mA	50Vdc	10M ohm	125Vdc	0.014ohm±40%	-40 to +105°C
DLW5BTM501TQ2□	500ohm (Typ.)	4000mA	50Vdc	10M ohm	125Vdc	0.019ohm±40%	-40 to +105°C
DLW5BTM102TQ2□	1000ohm (Typ.)	2500mA	50Vdc	10M ohm	125Vdc	0.024ohm±40%	-40 to +105°C
DLW5BTM142TQ2□	1400ohm (Typ.)	2000mA	50Vdc	10M ohm	125Vdc	0.040ohm±40%	-40 to +105°C

Number of Circuit: 1

Continued on the following page.

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⚠ Note:

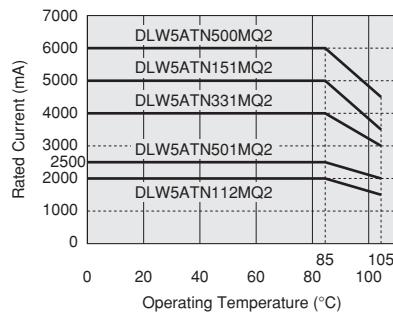
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■ Derating of Rated Current

In operating temperature exceeding +85°C, derating of current is necessary for DLW5AT series (105 degree C available type). Please apply the derating curve shown in chart according to the operating temperature.

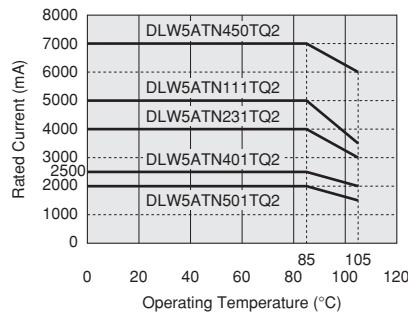
Derating of Rated Current



■ Derating of Rated Current

In operating temperature exceeding +85°C, derating of current is necessary for DLW5AT series (105 degree C available type). Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Continued on the following page.

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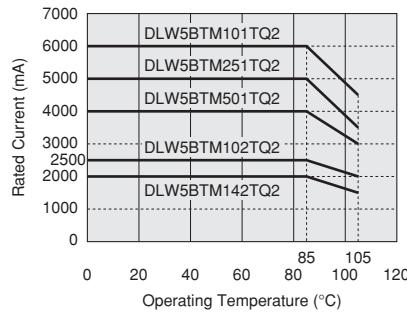
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■ Derating of Rated Current

In operating temperature exceeding +85°C, derating of current is necessary for DLW5BT series (105 degree C available type). Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



■ 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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