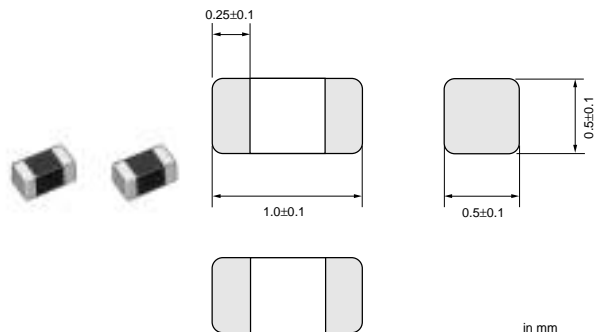


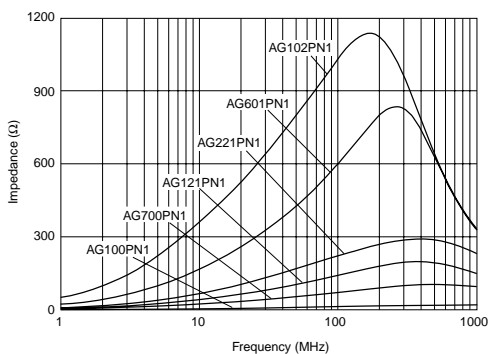
# Chip EMIFIL® Inductor Type

Chip Ferrite Beads

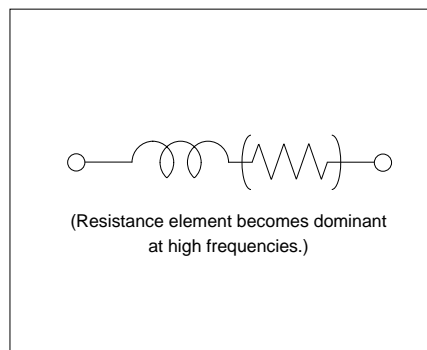
● BLM15 Series



Z-f of Main Items

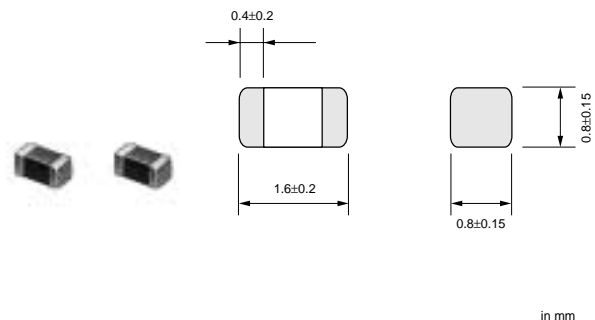


Equivalent Circuit



| Part Number   | Impedance (at 100MHz)<br>(ohm) | Rated Current<br>(mA) | DC Resistance(max.)<br>(ohm) | Operating Temperature Range<br>(°C) |
|---------------|--------------------------------|-----------------------|------------------------------|-------------------------------------|
| BLM15AG100PN1 | 10 (Typ.)                      | 500                   | 0.05                         | -55 to 125                          |
| BLM15AG700PN1 | 70 (Typ.)                      | 200                   | 0.40                         | -55 to 125                          |
| BLM15AG121PN1 | 120 (Typ.)                     | 200                   | 0.50                         | -55 to 125                          |
| BLM15AG221PN1 | 220 ±25%                       | 100                   | 0.70                         | -55 to 125                          |
| BLM15AG601PN1 | 600 ±25%                       | 50                    | 1.10                         | -55 to 125                          |
| BLM15AG102PN1 | 1000 ±25%                      | 50                    | 1.50                         | -55 to 125                          |
| BLM15BB750PN1 | 75 ±25%                        | 100                   | 0.80                         | -55 to 125                          |
| BLM15BB121PN1 | 120 ±25%                       | 50                    | 1.10                         | -55 to 125                          |
| BLM15BB221PN1 | 220 ±25%                       | 50                    | 1.40                         | -55 to 125                          |
| BLM15BD421PN1 | 420 ±25%                       | 50                    | 1.30                         | -55 to 125                          |
| BLM15BD601PN1 | 600 ±25%                       | 50                    | 1.50                         | -55 to 125                          |
| BLM15BD102PN1 | 1000 ±25%                      | 50                    | 1.30                         | -55 to 125                          |

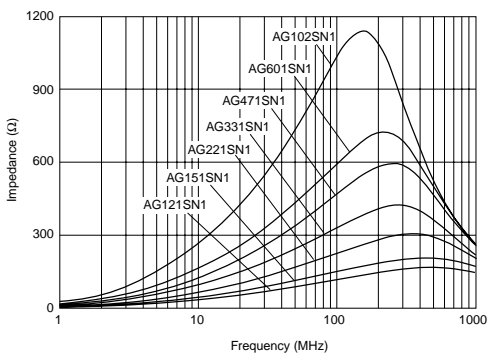
● BLM18 Series



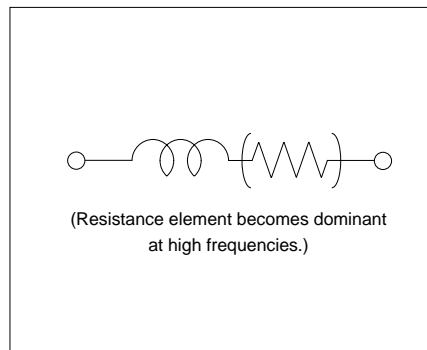
4 Noise Suppression Products/(EMIFIL®)

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Z-f of Main Items



Equivalent Circuit



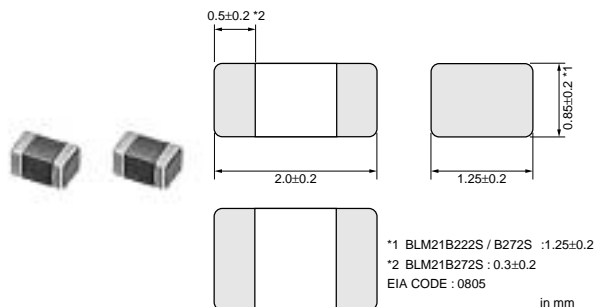
| Part Number   | Impedance (at 100MHz)<br>(ohm) | Rated Current<br>(mA) | DC Resistance(max.)<br>(ohm) | Operating Temperature Range<br>(°C) |
|---------------|--------------------------------|-----------------------|------------------------------|-------------------------------------|
| BLM18AG121SN1 | 120 ±25%                       | 200                   | 0.20                         | -55 to 125                          |
| BLM18AG151SN1 | 150 ±25%                       | 200                   | 0.25                         | -55 to 125                          |
| BLM18AG221SN1 | 220 ±25%                       | 200                   | 0.30                         | -55 to 125                          |
| BLM18AG331SN1 | 330 ±25%                       | 200                   | 0.45                         | -55 to 125                          |
| BLM18AG471SN1 | 470 ±25%                       | 200                   | 0.50                         | -55 to 125                          |
| BLM18AG601SN1 | 600 ±25%                       | 200                   | 0.50                         | -55 to 125                          |
| BLM18AG102SN1 | 1000 ±25%                      | 100                   | 0.70                         | -55 to 125                          |
| BLM18BA050SN1 | 5 ±25%                         | 500                   | 0.20                         | -55 to 125                          |
| BLM18BA100SN1 | 10 ±25%                        | 500                   | 0.25                         | -55 to 125                          |
| BLM18BA220SN1 | 22 ±25%                        | 500                   | 0.35                         | -55 to 125                          |
| BLM18BA470SN1 | 47 ±25%                        | 300                   | 0.55                         | -55 to 125                          |
| BLM18BA750SN1 | 75 ±25%                        | 300                   | 0.70                         | -55 to 125                          |
| BLM18BA121SN1 | 120 ±25%                       | 200                   | 0.90                         | -55 to 125                          |
| BLM18BB050SN1 | 5 ±25%                         | 700                   | 0.10                         | -55 to 125                          |
| BLM18BB100SN1 | 10 ±25%                        | 500                   | 0.15                         | -55 to 125                          |
| BLM18BB220SN1 | 22 ±25%                        | 500                   | 0.25                         | -55 to 125                          |
| BLM18BB470SN1 | 47 ±25%                        | 500                   | 0.30                         | -55 to 125                          |
| BLM18BB600SN1 | 60 ±25%                        | 200                   | 0.35                         | -55 to 125                          |
| BLM18BB750SN1 | 75 ±25%                        | 200                   | 0.35                         | -55 to 125                          |
| BLM18BB121SN1 | 120 ±25%                       | 200                   | 0.50                         | -55 to 125                          |
| BLM18BB141SN1 | 140 ±25%                       | 200                   | 0.55                         | -55 to 125                          |
| BLM18BB151SN1 | 150 ±25%                       | 200                   | 0.55                         | -55 to 125                          |
| BLM18BB221SN1 | 220 ±25%                       | 200                   | 0.65                         | -55 to 125                          |
| BLM18BB331SN1 | 330 ±25%                       | 200                   | 0.75                         | -55 to 125                          |
| BLM18BB471SN1 | 470 ±25%                       | 50                    | 1.00                         | -55 to 125                          |
| BLM18BD121SN1 | 120 ±25%                       | 200                   | 0.40                         | -55 to 125                          |
| BLM18BD151SN1 | 150 ±25%                       | 200                   | 0.40                         | -55 to 125                          |
| BLM18BD221SN1 | 220 ±25%                       | 200                   | 0.45                         | -55 to 125                          |
| BLM18BD331SN1 | 330 ±25%                       | 200                   | 0.5                          | -55 to 125                          |
| BLM18BD421SN1 | 420 ±25%                       | 200                   | 0.55                         | -55 to 125                          |
| BLM18BD471SN1 | 470 ±25%                       | 200                   | 0.55                         | -55 to 125                          |
| BLM18BD601SN1 | 600 ±25%                       | 200                   | 0.65                         | -55 to 125                          |
| BLM18BD102SN1 | 1000 ±25%                      | 100                   | 0.85                         | -55 to 125                          |
| BLM18BD152SN1 | 1500 ±25%                      | 50                    | 1.20                         | -55 to 125                          |
| BLM18BD182SN1 | 1800 ±25%                      | 50                    | 1.50                         | -55 to 125                          |
| BLM18BD222SN1 | 2200 ±25%                      | 50                    | 1.50                         | -55 to 125                          |
| BLM18BD252SN1 | 2500 ±25%                      | 50                    | 1.50                         | -55 to 125                          |
| BLM18PG300SN1 | 30 (Typ.)                      | 1000                  | 0.05                         | -55 to 125                          |
| BLM18PG600SN1 | 60 (Typ.)                      | 500                   | 0.10                         | -55 to 125                          |
| BLM18RK121SN1 | 120 ±25%                       | 200                   | 0.25                         | -55 to 125                          |
| BLM18RK221SN1 | 220 ±25%                       | 200                   | 0.30                         | -55 to 125                          |
| BLM18RK471SN1 | 470 ±25%                       | 200                   | 0.50                         | -55 to 125                          |

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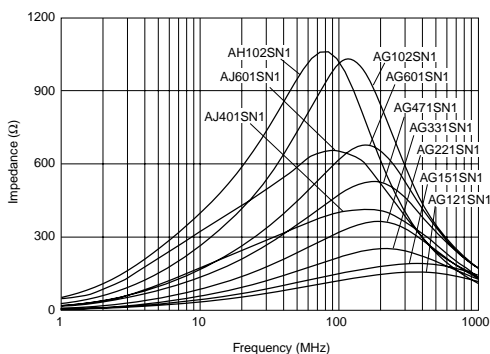
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| Part Number          | Impedance (at 100MHz)<br>(ohm) | Rated Current<br>(mA) | DC Resistance(max.)<br>(ohm) | Operating Temperature Range<br>(°C) |
|----------------------|--------------------------------|-----------------------|------------------------------|-------------------------------------|
| <b>BLM18RK601SN1</b> | 600 ±25%                       | 200                   | 0.60                         | -55 to 125                          |
| <b>BLM18RK102SN1</b> | 1000 ±25%                      | 100                   | 0.80                         | -55 to 125                          |

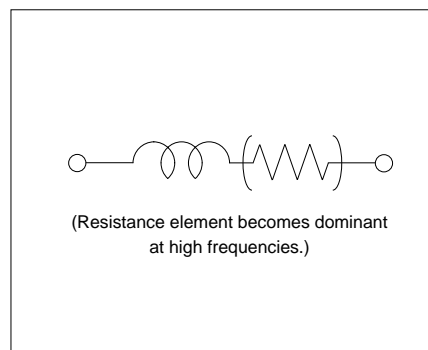
## ● BLM21 Series



Z-f of Main Items



Equivalent Circuit



| Part Number          | Impedance (at 100MHz)<br>(ohm) | Rated Current<br>(mA) | DC Resistance(max.)<br>(ohm) | Operating Temperature Range<br>(°C) |
|----------------------|--------------------------------|-----------------------|------------------------------|-------------------------------------|
| <b>BLM21AG121SN1</b> | 120 ±25%                       | 200                   | 0.15                         | -55 to 125                          |
| <b>BLM21AG151SN1</b> | 150 ±25%                       | 200                   | 0.15                         | -55 to 125                          |
| <b>BLM21AG221SN1</b> | 220 ±25%                       | 200                   | 0.20                         | -55 to 125                          |
| <b>BLM21AG331SN1</b> | 330 ±25%                       | 200                   | 0.25                         | -55 to 125                          |
| <b>BLM21AG471SN1</b> | 470 ±25%                       | 200                   | 0.25                         | -55 to 125                          |
| <b>BLM21AG601SN1</b> | 600 ±25%                       | 200                   | 0.30                         | -55 to 125                          |
| <b>BLM21AG102SN1</b> | 1000 ±25%                      | 200                   | 0.45                         | -55 to 125                          |
| <b>BLM21AH102SN1</b> | 1000 ±25%                      | 200                   | 0.45                         | -55 to 85                           |
| <b>BLM21AJ401SN1</b> | 400 ±25%                       | 200                   | 0.85                         | -55 to 125                          |
| <b>BLM21AJ601SN1</b> | 600 ±25%                       | 200                   | 1.10                         | -55 to 125                          |
| <b>BLM21BB050SN1</b> | 5 ±25%                         | 500                   | 0.07                         | -55 to 125                          |
| <b>BLM21BB600SN1</b> | 60 ±25%                        | 200                   | 0.20                         | -55 to 125                          |
| <b>BLM21BB750SN1</b> | 75 ±25%                        | 200                   | 0.25                         | -55 to 125                          |
| <b>BLM21BB121SN1</b> | 120 ±25%                       | 200                   | 0.25                         | -55 to 125                          |
| <b>BLM21BB151SN1</b> | 150 ±25%                       | 200                   | 0.25                         | -55 to 125                          |
| <b>BLM21BB201SN1</b> | 200 ±25%                       | 200                   | 0.35                         | -55 to 125                          |
| <b>BLM21BB221SN1</b> | 220 ±25%                       | 200                   | 0.35                         | -55 to 125                          |
| <b>BLM21BB331SN1</b> | 330 ±25%                       | 200                   | 0.40                         | -55 to 125                          |
| <b>BLM21BB471SN1</b> | 470 ±25%                       | 200                   | 0.45                         | -55 to 125                          |
| <b>BLM21BD121SN1</b> | 120 ±25%                       | 200                   | 0.25                         | -55 to 125                          |
| <b>BLM21BD151SN1</b> | 150 ±25%                       | 200                   | 0.25                         | -55 to 125                          |
| <b>BLM21BD221SN1</b> | 220 ±25%                       | 200                   | 0.25                         | -55 to 125                          |
| <b>BLM21BD331SN1</b> | 330 ±25%                       | 200                   | 0.30                         | -55 to 125                          |

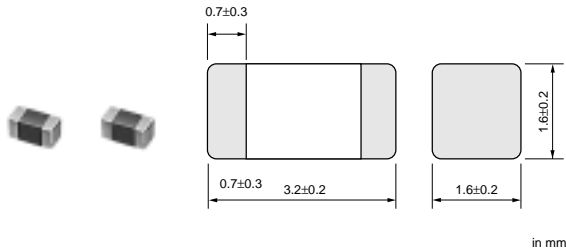
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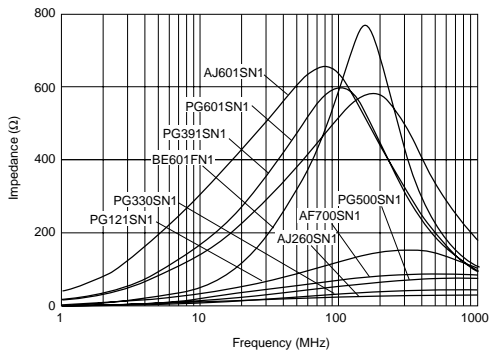
| Part Number   | Impedance (at 100MHz)<br>(ohm) | Rated Current<br>(mA) | DC Resistance(max.)<br>(ohm) | Operating Temperature Range<br>(°C) |
|---------------|--------------------------------|-----------------------|------------------------------|-------------------------------------|
| BLM21BD421SN1 | 420 ±25%                       | 200                   | 0.30                         | -55 to 125                          |
| BLM21BD471SN1 | 470 ±25%                       | 200                   | 0.35                         | -55 to 125                          |
| BLM21BD601SN1 | 600 ±25%                       | 200                   | 0.35                         | -55 to 125                          |
| BLM21BD751SN1 | 750 ±25%                       | 200                   | 0.40                         | -55 to 125                          |
| BLM21BD102SN1 | 1000 ±25%                      | 200                   | 0.40                         | -55 to 125                          |
| BLM21BD152SN1 | 1500 ±25%                      | 200                   | 0.45                         | -55 to 125                          |
| BLM21BD182SN1 | 1800 ±25%                      | 200                   | 0.50                         | -55 to 125                          |
| BLM21BD222TN1 | 2200 ±25%                      | 200                   | 0.60                         | -55 to 125                          |
| BLM21BD222SN1 | 2250 (Typ.)                    | 200                   | 0.60                         | -55 to 125                          |
| BLM21BD272SN1 | 2700 ±25%                      | 200                   | 0.80                         | -55 to 125                          |
| BLM21PG220SN1 | 22 (Typ.)                      | 6000                  | 0.01                         | -55 to 125                          |
| BLM21PG300SN1 | 30 (Typ.)                      | 3000                  | 0.015                        | -55 to 125                          |
| BLM21PG600SN1 | 60 (Typ.)                      | 3000                  | 0.025                        | -55 to 125                          |
| BLM21PG221SN1 | 220 (Typ.)                     | 2000                  | 0.050                        | -55 to 125                          |
| BLM21PG331SN1 | 330 (Typ.)                     | 1500                  | 0.09                         | -55 to 125                          |
| BLM21RK121SN1 | 120 ±25%                       | 200                   | 0.15                         | -55 to 125                          |
| BLM21RK221SN1 | 220 ±25%                       | 200                   | 0.20                         | -55 to 125                          |
| BLM21RK471SN1 | 470 ±25%                       | 200                   | 0.25                         | -55 to 125                          |
| BLM21RK601SN1 | 600 ±25%                       | 200                   | 0.30                         | -55 to 125                          |
| BLM21RK102SN1 | 1000 ±25%                      | 200                   | 0.50                         | -55 to 125                          |

BLM21P series require derating above 85 °C ambient. Please contact us for details.

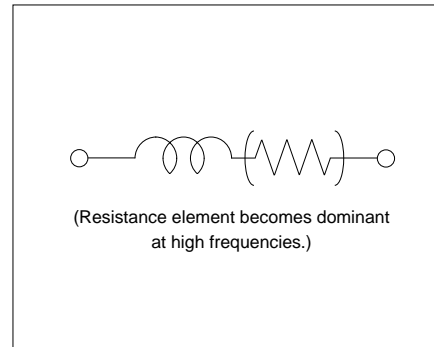
## ● BLM31 Series



Z-f of Main Items



Equivalent Circuit



| Part Number   | Impedance (at 100MHz)<br>(ohm) | Rated Current<br>(mA) | DC Resistance(max.)<br>(ohm) | Operating Temperature Range<br>(°C) |
|---------------|--------------------------------|-----------------------|------------------------------|-------------------------------------|
| BLM31AF700SN1 | 70 ±25%                        | 200                   | 0.15                         | -55 to 125                          |
| BLM31AJ260SN1 | 26 ±25%                        | 500                   | 0.05                         | -55 to 125                          |
| BLM31AJ601SN1 | 600 ±25%                       | 200                   | 0.90                         | -55 to 125                          |
| BLM31BE601FN1 | 600 ±25%                       | 300                   | 0.35                         | -55 to 125                          |

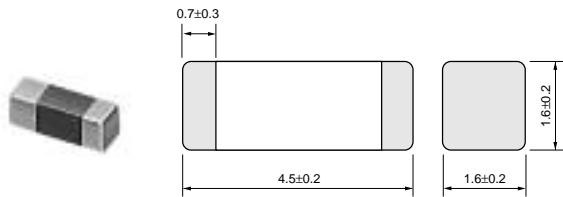
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| Part Number          | Impedance (at 100MHz)<br>(ohm) | Rated Current<br>(mA) | DC Resistance(max.)<br>(ohm) | Operating Temperature Range<br>(°C) |
|----------------------|--------------------------------|-----------------------|------------------------------|-------------------------------------|
| <b>BLM31PG330SN1</b> | 33 (Typ.)                      | 6000                  | 0.01                         | -55 to 125                          |
| <b>BLM31PG500SN1</b> | 50 (Typ.)                      | 3000                  | 0.025                        | -55 to 125                          |
| <b>BLM31PG121SN1</b> | 120 (Typ.)                     | 3000                  | 0.025                        | -55 to 125                          |
| <b>BLM31PG391SN1</b> | 390 (Typ.)                     | 2000                  | 0.05                         | -55 to 125                          |
| <b>BLM31PG601SN1</b> | 600 (Typ.)                     | 1500                  | 0.09                         | -55 to 125                          |

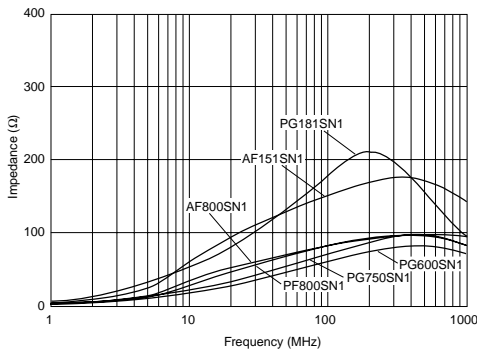
BLM31P series require derating above 85 °C ambient. Please contact us for details.

## ● BLM41 Series

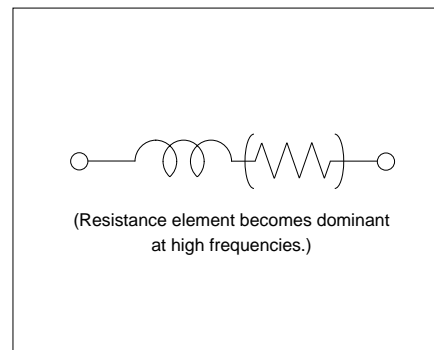


in mm

Z-f of Main Items



Equivalent Circuit



| Part Number          | Impedance (at 100MHz)<br>(ohm) | Rated Current<br>(mA) | DC Resistance(max.)<br>(ohm) | Operating Temperature Range<br>(°C) |
|----------------------|--------------------------------|-----------------------|------------------------------|-------------------------------------|
| <b>BLM41AF800SN1</b> | 80 ±25%                        | 500                   | 0.10                         | -55 to 125                          |
| <b>BLM41AF151SN1</b> | 150 ±25%                       | 200                   | 0.50                         | -55 to 125                          |
| <b>BLM41PF800SN1</b> | 80 (Typ.)                      | 1000                  | 0.10                         | -55 to 125                          |
| <b>BLM41PG600SN1</b> | 60 (Typ.)                      | 6000                  | 0.01                         | -55 to 125                          |
| <b>BLM41PG750SN1</b> | 75 (Typ.)                      | 3000                  | 0.025                        | -55 to 125                          |
| <b>BLM41PG181SN1</b> | 180 (Typ.)                     | 3000                  | 0.025                        | -55 to 125                          |
| <b>BLM41PG471SN1</b> | 470 (Typ.)                     | 2000                  | 0.05                         | -55 to 125                          |
| <b>BLM41PG102SN1</b> | 1000 (Typ.)                    | 1500                  | 0.09                         | -55 to 125                          |

BLM41P series require derating above 85 °C ambient. Please contact us for details.