



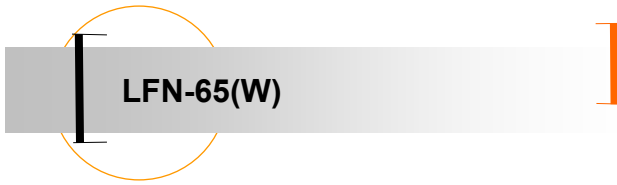
FORMOSA INDUCTOR CORP.  
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**PRODUCT SPECIFICATION**

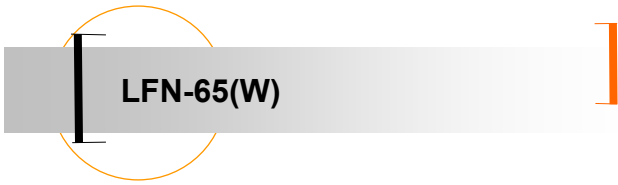
|                                |           |
|--------------------------------|-----------|
| <b>CUSTOMER</b>                |           |
| <b>CUSTOMER'S PRODUCT NAME</b> |           |
| <b>FIC PART NUMBER</b>         | LFN-65(W) |
| <b>FIC PRODUCT NAME</b>        |           |
| <b>DATE</b>                    |           |

| THE SPECIFICATION IS   |  |
|--|--|
| <input type="checkbox"/> Received Under The Following Condition  |  |
| <ul style="list-style-type: none"> <li>■ <u>Signature:</u> _____</li> <li>■ <u>Title:</u> _____</li> <li>■ <u>Date:</u> _____</li> </ul> | <ul style="list-style-type: none"> <li>■ <u>Stamp</u></li> </ul> |

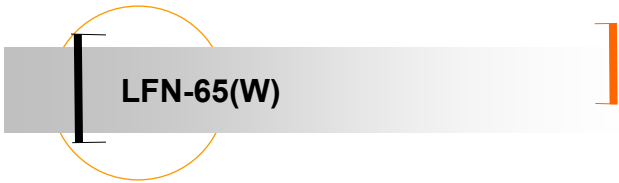
| INDUCTOR ENGINEER DIVISION    |                                  |                                   | SALES DIVISION     |                                   |
|-------------------------------|----------------------------------|-----------------------------------|--------------------|-----------------------------------|
| <b>PREPARED</b><br><i>Amy</i> | <b>APPROVED</b><br><i>Monica</i> | <b>AUTHORIZED</b><br><i>Jacky</i> | <b>REVIEWED BY</b> | <b>AUTHORIZED</b><br><i>Jacky</i> |



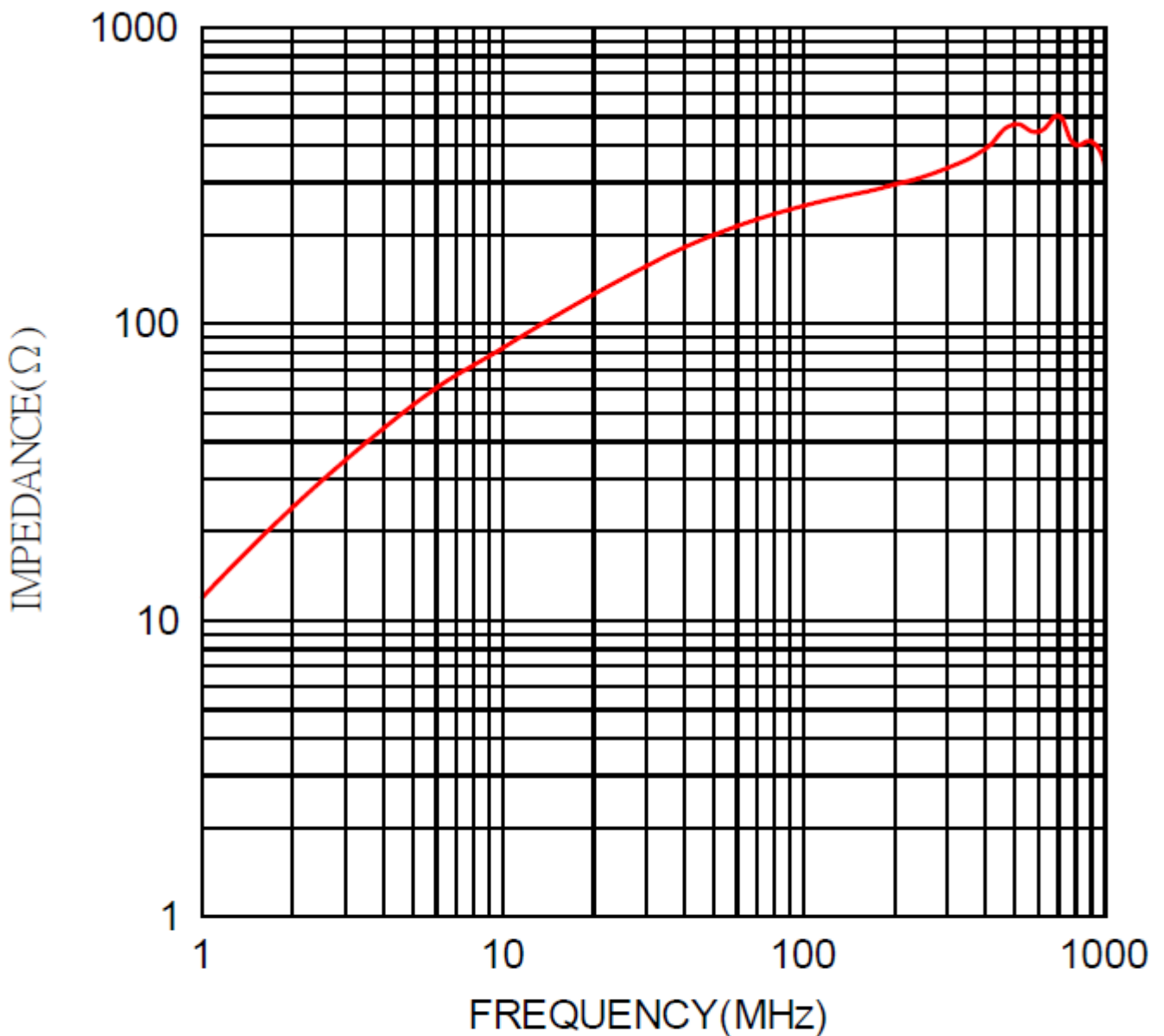
| DIMENSION (Unit:mm)            |                             |              |         |            |
|--------------------------------|-----------------------------|--------------|---------|------------|
|                                |                             |              | A       | 20.5 ± 1.0 |
|                                |                             |              | B       | 20.0 ± 1.0 |
|                                |                             |              | C       | 6.50 ± 0.3 |
|                                |                             |              | D       | 33.0 ± 1.0 |
|                                |                             |              |         |            |
|                                |                             |              |         |            |
| ELECTRICAL REQUIREMENTS:       |                             |              |         |            |
|                                |                             | TEST<br>FREQ |         | REMARK:    |
|                                |                             | TEST<br>FREQ |         |            |
| Z                              | 120<br>-0<br>Ω              | TEST<br>FREQ | 25 MHz  |            |
| Z                              | 200<br>-0<br>Ω              | TEST<br>FREQ | 100 MHz |            |
|                                |                             | TEST<br>FREQ |         |            |
| COIL<br>DATA                   | Qo=<br>Lo=            PF    | TEST<br>FREQ |         |            |
|                                |                             |              |         |            |
| Winding                        | 0.65 Φ X 100 mm 2U.E.W 1 TS |              |         |            |
| TEST INSTRUMENTS               |                             |              |         |            |
| 1. IMPEDANCE ANALYZER: HP4286A |                             |              |         |            |



| INSPECTION DATA                |                              |                  |       |       |                    |       |      |       |   |   |   |   |   |  |
|--------------------------------|------------------------------|------------------|-------|-------|--------------------|-------|------|-------|---|---|---|---|---|--|
| PART NO.                       | LFN-65(W)                    |                  |       |       |                    |       |      |       |   |   |   |   |   |  |
| ITEM                           |                              |                  |       |       |                    |       |      |       |   |   |   |   |   |  |
| COIL SPEC                      | 0.65 Φ X 100 mm 2 U.E.W 1 TS |                  |       |       |                    |       |      |       |   |   |   |   |   |  |
| COIL DATA                      | QO=                          | CO=              | (PF)  |       |                    |       |      |       |   |   |   |   |   |  |
| TEST FREQ                      | FO=                          | Hz Ft=25,100 MHz |       |       |                    |       |      |       |   |   |   |   |   |  |
| TEMPERATURE                    | 27 °C                        | Humidity         | 73 %  |       |                    |       |      |       |   |   |   |   |   |  |
|                                | ELECTRIC CHAREC.             |                  |       |       | DIMENSION(Unit:mm) |       |      |       |   |   |   |   |   |  |
|                                | L                            | Q                | Z     | Z     | A                  | B     | C    | D     | E | F | G | H | I |  |
| Spec                           |                              |                  | 120.0 | 200.0 | 20.5               | 20.0  | 6.50 | 33.0  |   |   |   |   |   |  |
| +                              |                              |                  |       |       | 1.0                | 1.0   | 0.3  | 1.0   |   |   |   |   |   |  |
| -                              |                              |                  | 0     | 0     | 1.0                | 1.0   | 0.3  | 1.0   |   |   |   |   |   |  |
| 1                              |                              |                  | 142.0 | 250.0 | 20.22              | 19.49 | 6.54 | 32.76 |   |   |   |   |   |  |
| 2                              |                              |                  | 140.0 | 251.0 | 20.20              | 19.42 | 6.60 | 32.71 |   |   |   |   |   |  |
| 3                              |                              |                  | 141.0 | 251.0 | 20.21              | 19.38 | 6.60 | 32.63 |   |   |   |   |   |  |
| 4                              |                              |                  | 141.0 | 251.0 | 20.33              | 19.36 | 6.50 | 32.61 |   |   |   |   |   |  |
| 5                              |                              |                  | 142.0 | 251.0 | 20.24              | 19.36 | 6.54 | 32.71 |   |   |   |   |   |  |
| 6                              |                              |                  | 141.0 | 250.0 | 20.21              | 19.34 | 6.43 | 32.77 |   |   |   |   |   |  |
| 7                              |                              |                  | 140.0 | 251.0 | 20.27              | 19.44 | 6.44 | 32.71 |   |   |   |   |   |  |
| 8                              |                              |                  | 142.0 | 251.0 | 20.25              | 19.33 | 6.46 | 32.71 |   |   |   |   |   |  |
| 9                              |                              |                  | 141.0 | 252.0 | 20.24              | 19.38 | 6.46 | 32.57 |   |   |   |   |   |  |
| 10                             |                              |                  | 142.0 | 250.0 | 20.24              | 19.33 | 6.51 | 32.70 |   |   |   |   |   |  |
| X                              |                              |                  | 140.9 | 250.8 | 20.24              | 19.38 | 6.51 | 32.69 |   |   |   |   |   |  |
| R                              |                              |                  | 2.00  | 2.00  | 0.13               | 0.16  | 0.17 | 0.20  |   |   |   |   |   |  |
| TEST INSTRUMENTS               |                              |                  |       |       |                    |       |      |       |   |   |   |   |   |  |
| 1. IMPEDANCE ANALYZER: HP4286A |                              |                  |       |       |                    |       |      |       |   |   |   |   |   |  |



## Z-F RESPONSE - LFN-65(W)



|     | 1    | 5  | 10 | 25  | 50  | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|-----|------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Z — | 11.9 | 53 | 83 | 142 | 199 | 250 | 295 | 336 | 389 | 471 | 445 | 503 | 401 | 412 | 335  |

(DATA BETWEEN 500MHz AND 1000MHz ARE FOR REFERENCE ONLY)