

# HHM1715E1

## Multilayer Chip Balun

|   |
|---|
| Category : <b>RF Components</b>   |
| Sub Category : <b>Balun</b>   |
| TDK Series Name : <b>HHM17 Series</b>   |
| Application : <b>Mobile Phone, Wireless Lan..</b>   |
| Function : <b>Compact and high performance</b>  |
| Description :<br><b>A balun is used as the impedance matching element between two devices which have an impedance mismatch.</b> |
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| Property Name                | Property Description                        |
|------------------------------|---|
| Product Lifecycle Stage      | <b>Production</b>                           |
| Part Number Replacement      | <i>No Data Available.</i>                   |
| Lead (Pb) Free               | <b>Yes</b>                                  |
| Surface Mount                | <b>Yes</b>                                  |
| Connection Type              | <b>strip-line</b>                           |
| Application System           | <b>WiMAX</b>                                |
| Insertion Loss               | Max <b>1</b> dB                             |
| Frequency Bandwidth          | Min <b>3300</b> MHz<br>Max <b>3900</b> MHz  |
| Impedance Unbalanced         | Nom <b>50</b> Ohm                           |
| Impedance Balanced           | Nom <b>100</b> Ohm                          |
| Return Loss                  | Min <b>10</b> dB                            |
| Phase Imbalance Balanced     | Min <b>165</b> deg<br>Max <b>195</b> deg    |
| Amplitude Imbalance Balanced | Max <b>1.2</b> dB                           |
| Body Length (L)              | Nom <b>1.6</b> mm                           |
| Body Breadth (W)             | Nom <b>0.8</b> mm                           |
| Body Height (T)              | Nom <b>0.6</b> mm                           |
| Category Temperature Range   | Min <b>-40</b> Cel<br>Max <b>85</b> Cel     |
| Storage Temperature Range    | Min <b>-40</b> Cel<br>Max <b>85</b> Cel     |
| Packing                      | <b>Blister (Plastic)Taping [180mm Reel]</b> |
| Minimum Package Qty          | Nom <b>4000</b> Pcs                         |
| Minimum Order Qty            | Nom <b>4000</b> Pcs                         |
| Weight                       | Nom <b>0.0035</b> g                         |

Disclaimer: This information is to be used for reference purposes only and is subject to change by TDK without notice. It reflects an overview of the product characteristics/performance for the particular part number. For product specification information, please refer to TDK's general product specification. Please note that this standard part is not designed or warranted to meet any specifications of any intermediate or end user different from or in addition to the specifications set fort in TDK's general product specification. Note also that this standard part has not been specially designed or manufactured for, nor is it intended or warranted for use in , or permitted to be resold for, specialized applications such as aviation, medical, and/or governmental/military applications (collectively, "Excluded Applications").