

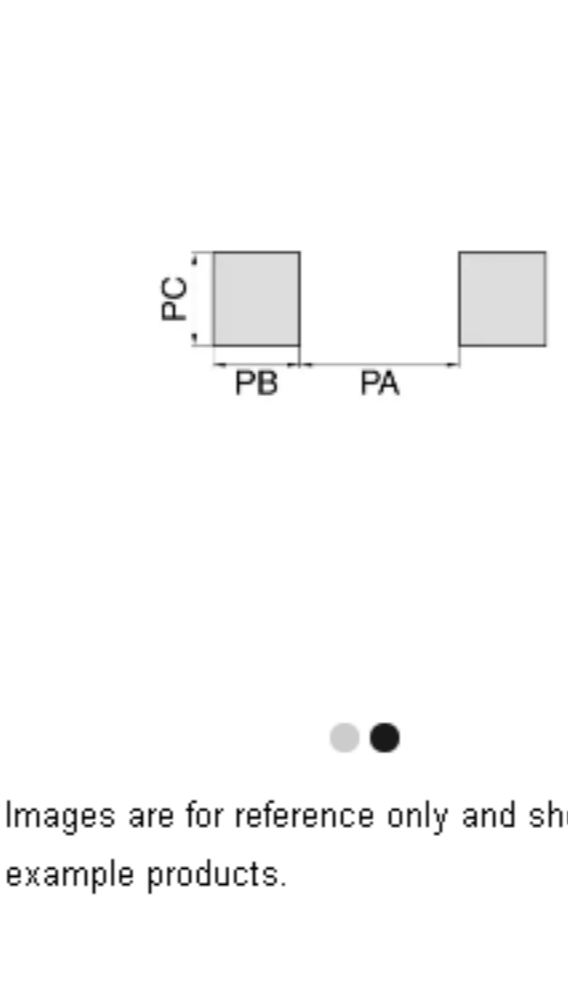
# Multilayer Ceramic Chip Capacitors

Product Top Page Search by Part No. Search by Characteristics Cross Reference Catalog Tech Notes Technical Support Tools ▼ more

## C1608C0G1E472J080AA



|                      |   |
|----------------------|---|
| TDK item description | C1608C0G1E472J****  |
| Applications         | Commercial Grade  |
| Feature              | General (Up to 75V)   |
| Series               | C1608 [EIA 0603]  |
| Status               | <p><b>⚠</b> Production (Not Recommended for New Design)</p> <p>Recommended Alternate Part No. : <a href="#">C1608C0G1H472J080AA</a> (Interchangeability is not guaranteed.)</p> |
| Brand                | TDK   |



Images are for reference only and show example products.

[Buy Now](#)

[PDF file of this page](#)

[Contact](#)

### Size

|                               |  |
|-------------------------------|--|
| Length(L)                     | 1.60mm ±0.10mm   |
| Width(W)                      | 0.80mm ±0.10mm   |
| Thickness(T)                  | 0.80mm ±0.10mm   |
| Terminal Width(B)             | 0.20mm Min.  |
| Terminal Spacing(G)           | 0.30mm Min.  |
| Recommended Land Pattern (PA) | 0.70mm to 1.00mm(Flow Soldering)<br>0.60mm to 0.80mm(Reflow Soldering) |
| Recommended Land Pattern (PB) | 0.80mm to 1.00mm(Flow Soldering)<br>0.60mm to 0.80mm(Reflow Soldering) |
| Recommended Land Pattern (PC) | 0.60mm to 0.80mm(Flow Soldering)<br>0.60mm to 0.80mm(Reflow Soldering) |

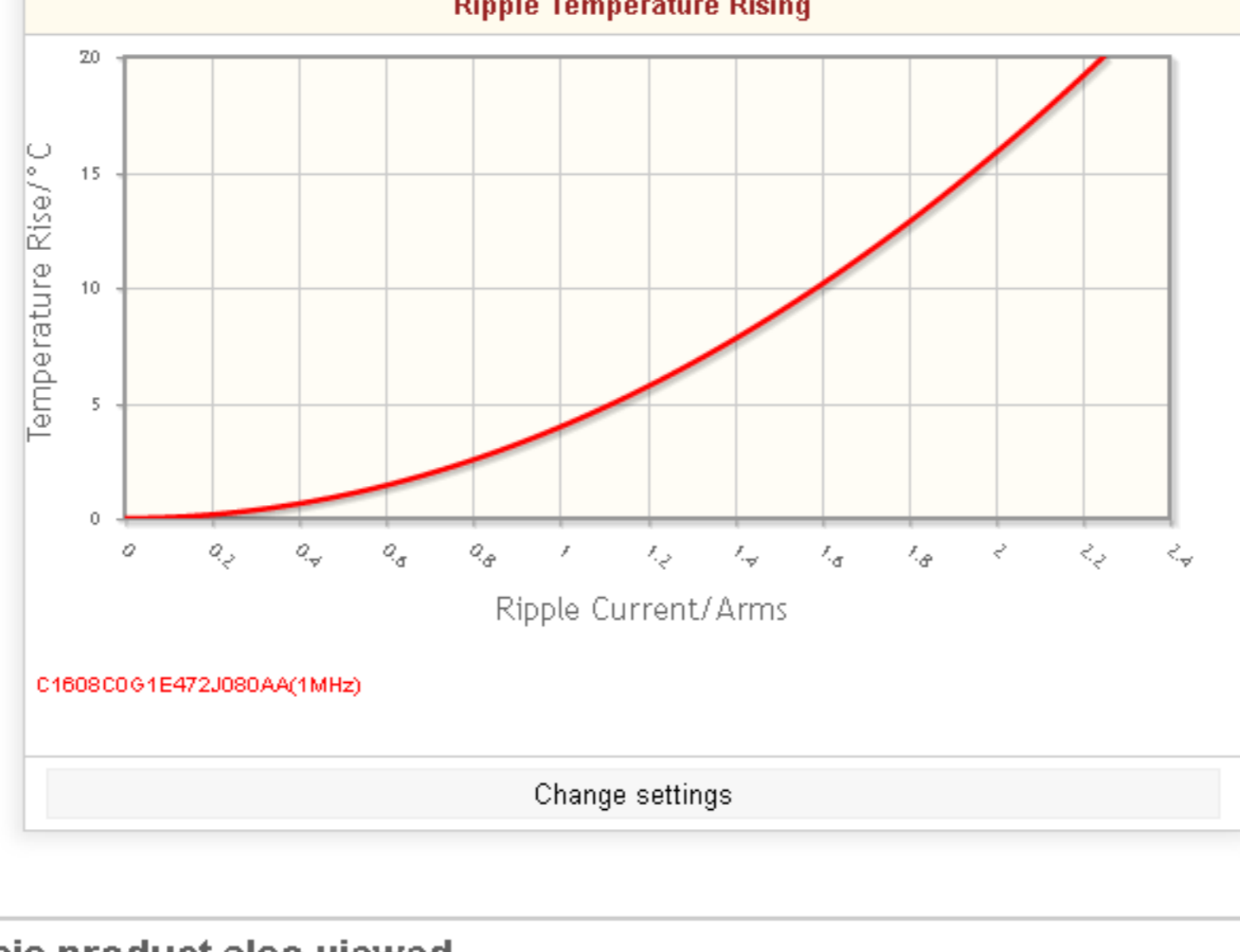
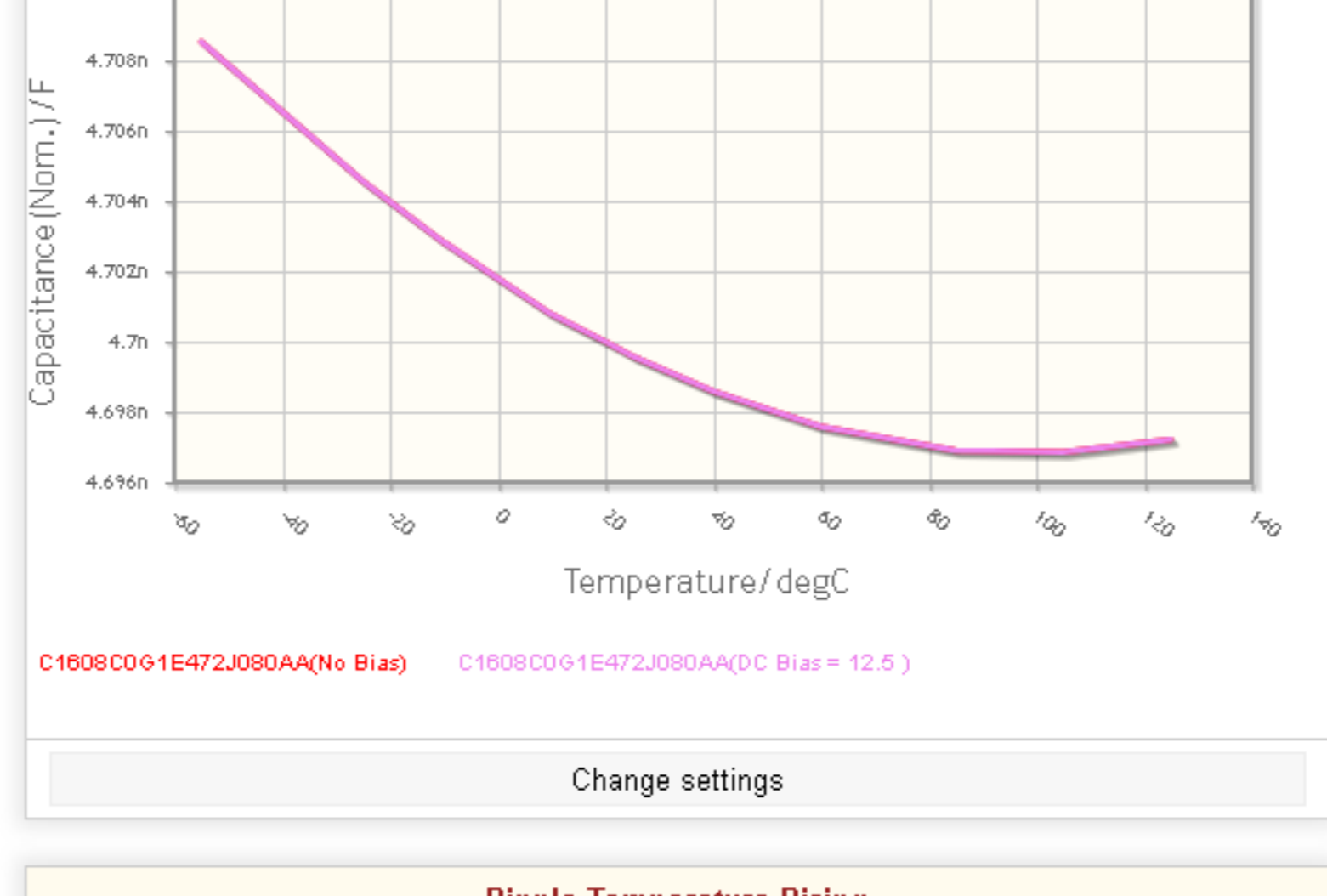
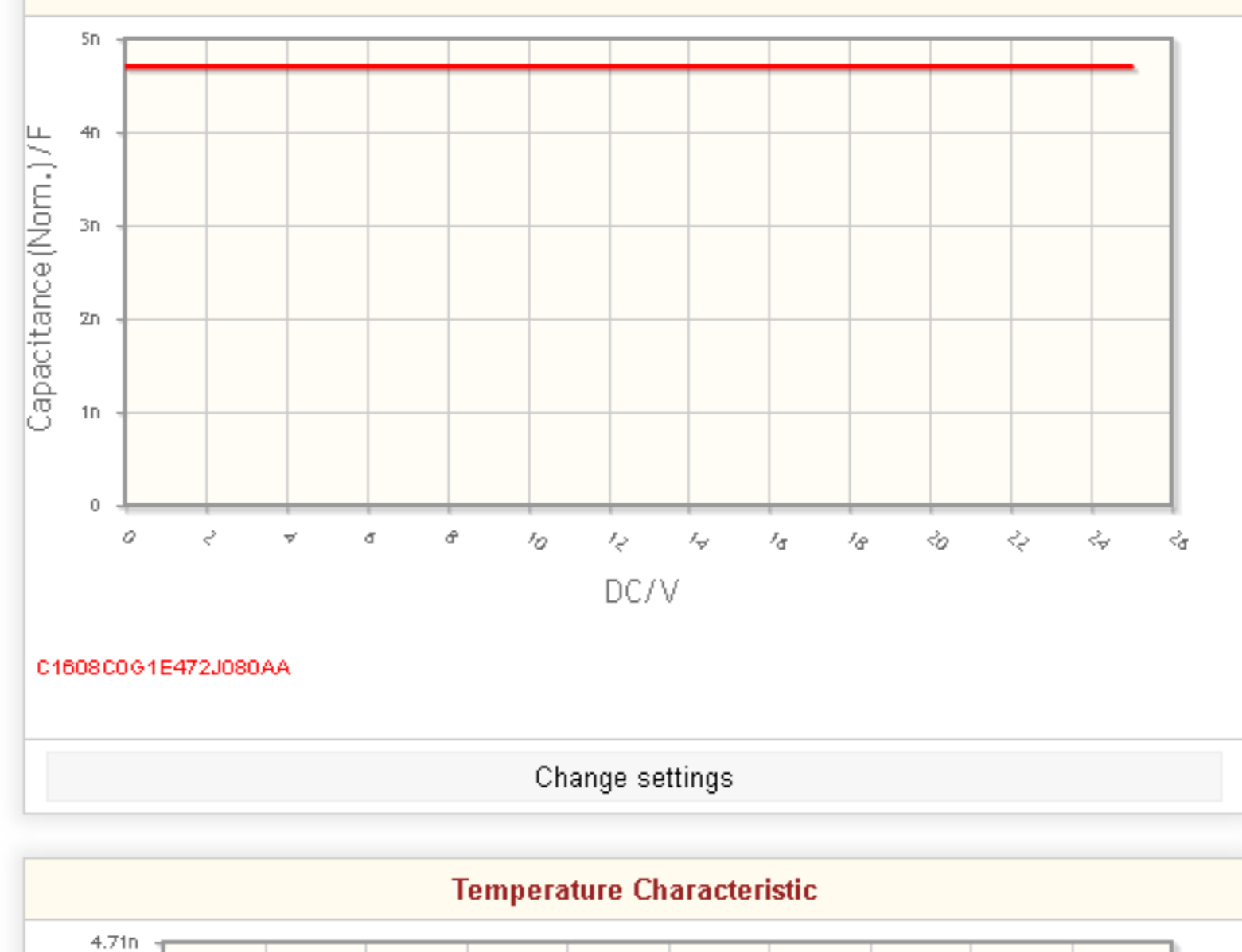
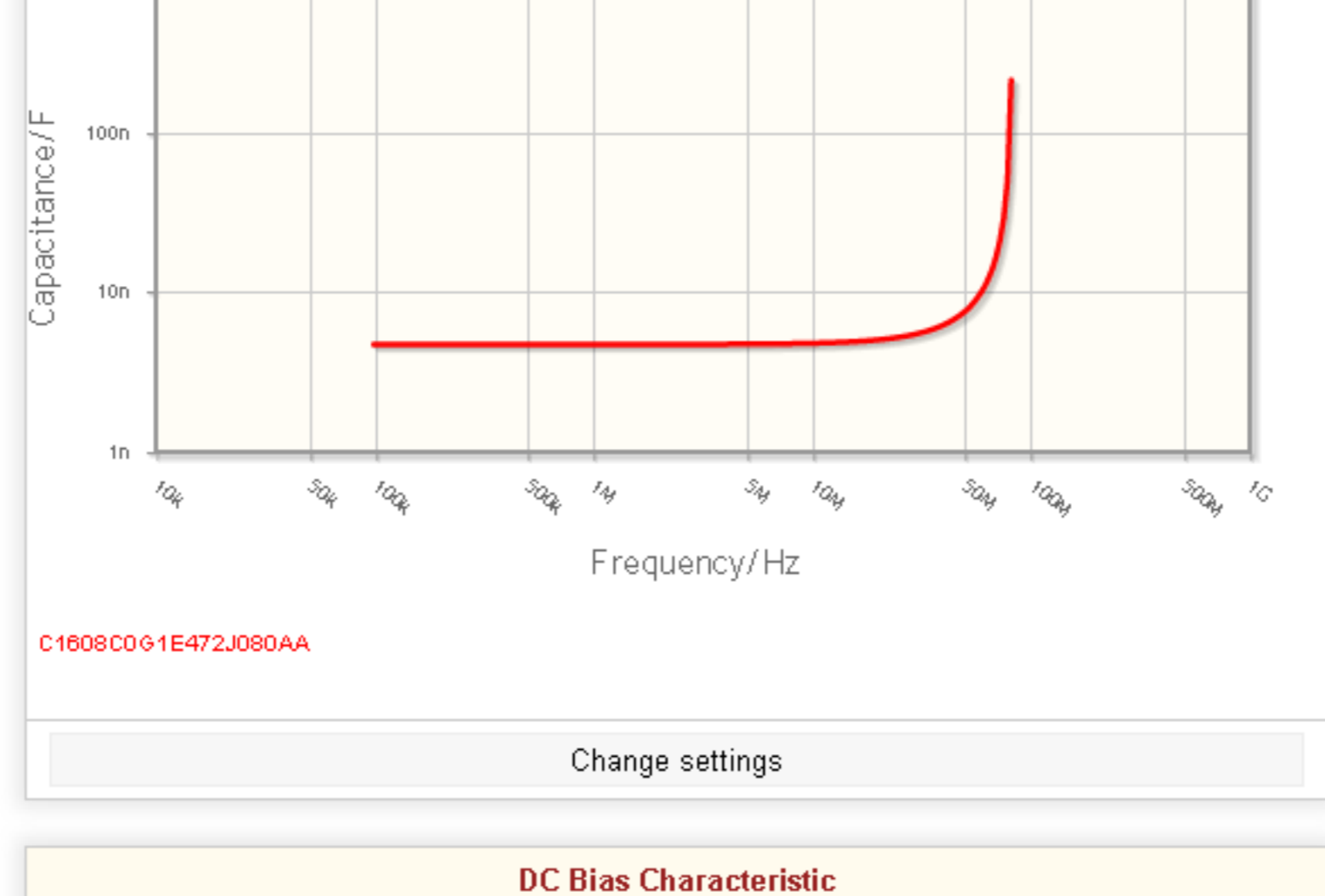
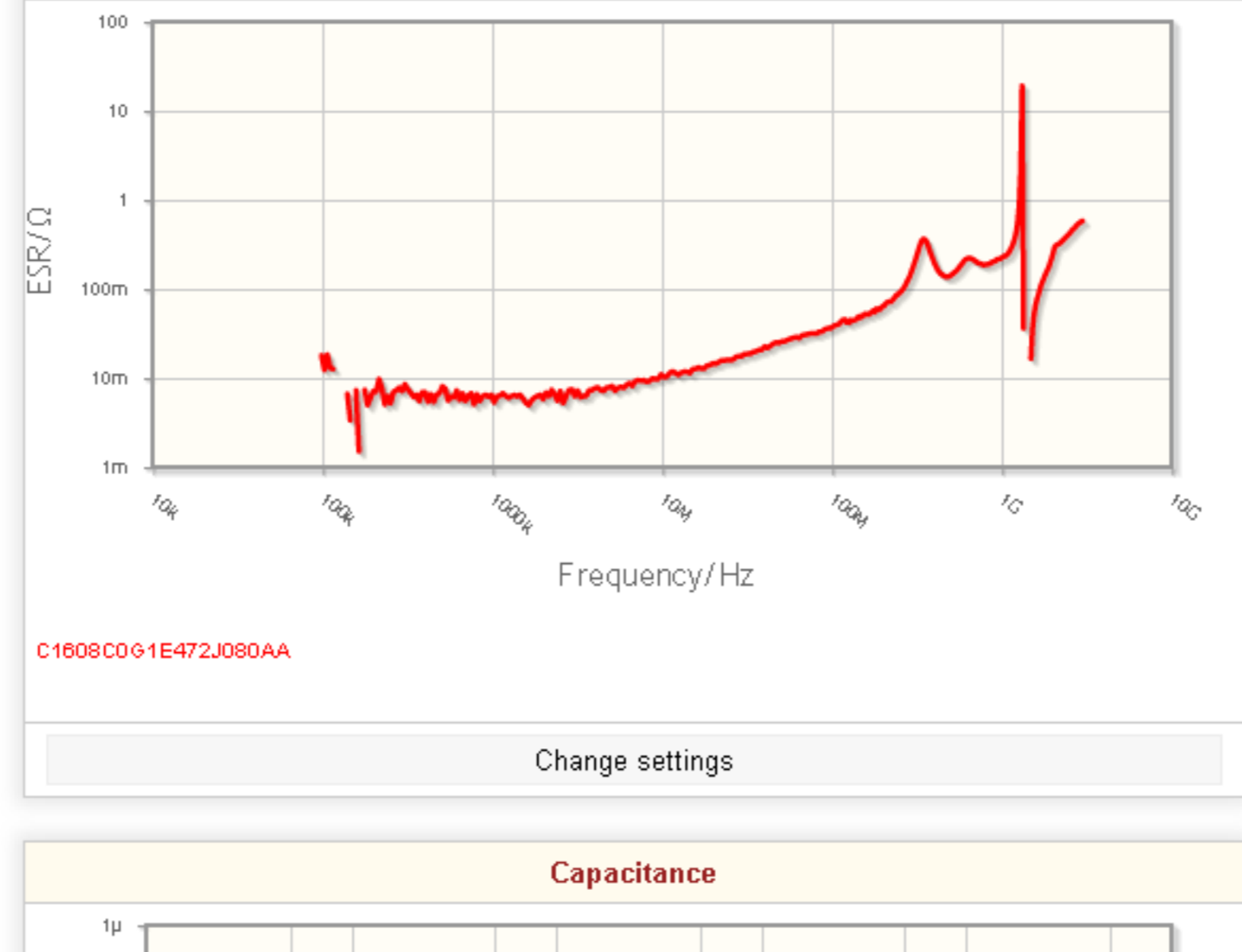
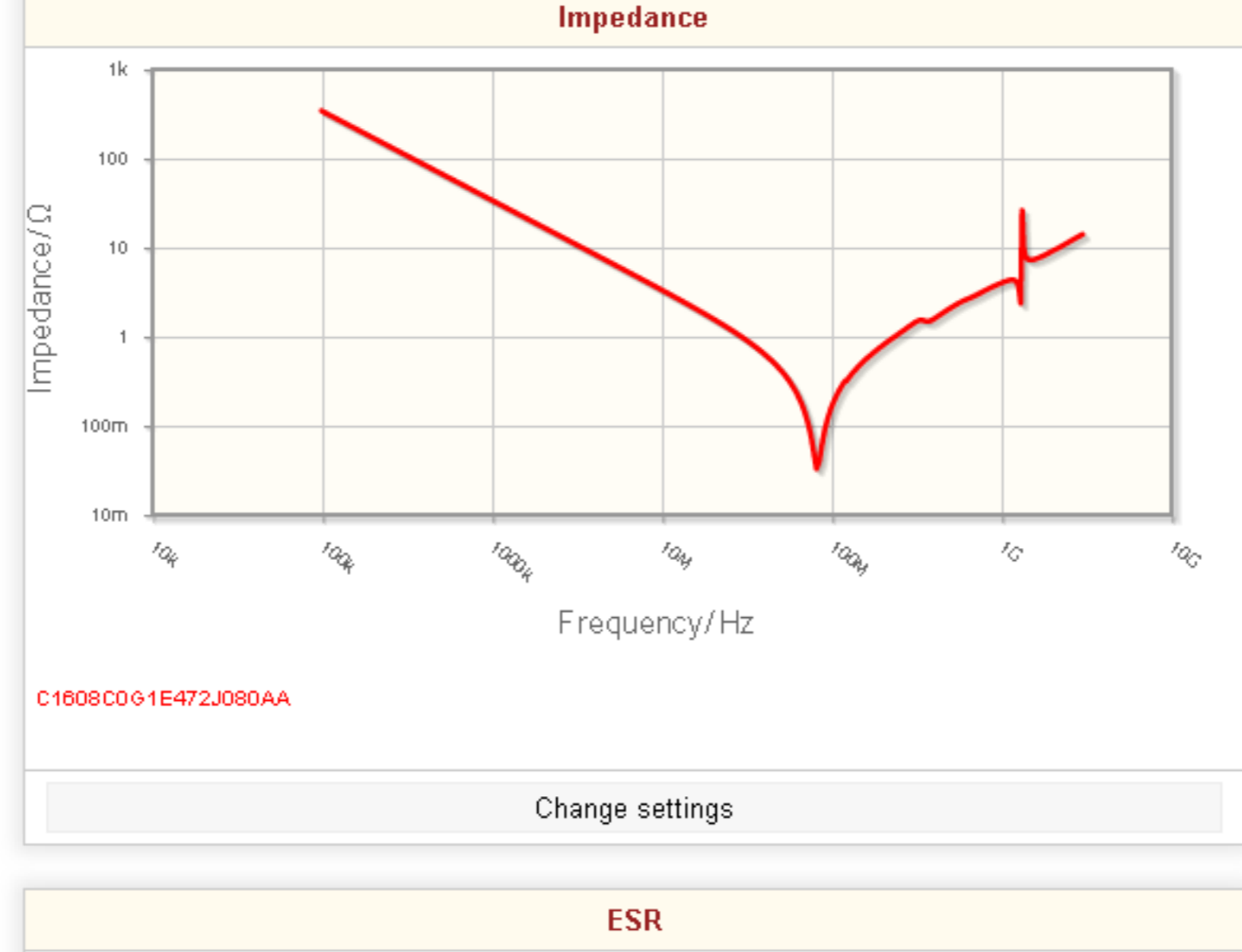
### Electrical Characteristics

|                              |                 |
|------------------------------|-----------------|
| Capacitance                  | 4.7nF ±5%       |
| Rated Voltage                | 25VDC           |
| Temperature Characteristic   | C0G(0±30ppm/°C) |
| Q (Min.)                     | 1000            |
| Insulation Resistance (Min.) | 10000MQ         |

### Other

|                  |                                    |
|------------------|------------------------------------|
| Soldering Method | Wave (Flow)<br>Reflow              |
| AEC-Q200         | NO                                 |
| Packing          | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 4000pcs                            |

### Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)



### Customers who viewed this product also viewed

**C1608C0G1E103J080AA**  
 Multilayer Ceramic Chip Capacitors  
 Capacitance=10nF  
 Edc=25V  
 T.C.=C0G  
 LxWxT:1.6x0.8x0.8mm  
 General

**C1608C0G1H220F080AA**  
 Multilayer Ceramic Chip Capacitors  
 Capacitance=22pF  
 Edc=50V  
 T.C.=C0G  
 LxWxT:1.6x0.8x0.8mm  
 General

- Home
- Selection Guides
- Search by Part No.
- Search by Characteristics
- Cross Reference
- Distributor Inventory Check
- Products
  - Capacitors
  - EMC Components
  - Voltage / Current / Temperature Protection Devices
  - Ceramic Switching / Heating, Piezo Components, Contactors, Buzzers and Microphones
  - Ferrites and Accessories
  - Anechoic Chambers and Radio Wave Absorbers
  - Magnets
  - Wireless Power Transfer
  - Transparent Conductive Film
  - Solar Cells
  - Lithium-Ion Batteries
  - Application Specific IC (ASIC) Development and Supply
  - Inductors (Coils)
  - RF Components
  - Sensors and Sensor Systems
  - Transformer
  - Noise Suppressing / Magnetic Sheet
  - Power Supplies
  - Flash Storages
  - FA Systems
  - Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB)
  - HDD Heads
  - Solid-State Batteries
  - Biosensors
- Application Guide
- Technical Support
- Tech Library
- Environment
- Contact
- News
- About TDK
- TDK Worldwide