

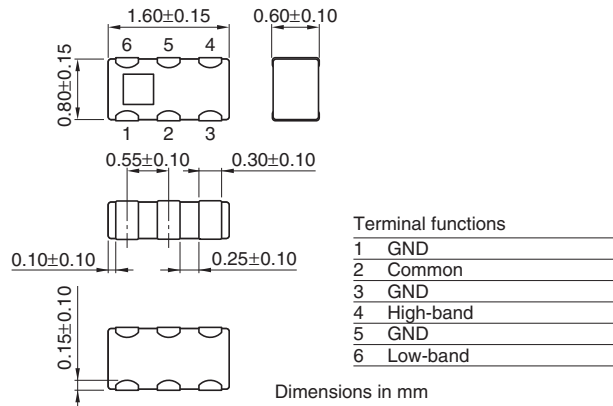
# Multilayer Chip Diplexers

## For AGSM/EGSM-DCS/PCS/WCDMA

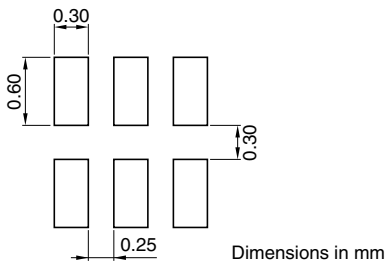
Conformity to RoHS Directive

DPX Series DPX162170DT-8022B1

### SHAPES AND DIMENSIONS



### RECOMMENDED PC BOARD PATTERNS



### ELECTRICAL CHARACTERISTICS

| Item              |                | Frequency range |      | Minimum value | Typical value | Maximum value |
|-------------------|----------------|-----------------|------|---------------|---------------|---------------|
| Low-Band          |                |                 |      |               |               |               |
| Insertion loss    | [+25°C]        | 704 to 960MHz   | (dB) | —             | 0.36          | 0.5           |
|                   | [−40 to +85°C] | 704 to 960MHz   | (dB) | —             | —             | 0.70          |
| Attenuation       |                | 1710 to 2170MHz | (dB) | 15            | 21.0          | —             |
| VSWR              |                | 704 to 960MHz   |      | —             | 1.28          | 1.5           |
| High-Band         |                |                 |      |               |               |               |
| Insertion loss    | [+25°C]        | 1710 to 1990MHz | (dB) | —             | 0.52          | 0.70          |
|                   |                | 2110 to 2170MHz | (dB) | —             | 0.38          | 0.60          |
|                   | [−40 to +85°C] | 1710 to 1990MHz | (dB) | —             | —             | 0.90          |
|                   |                | 2110 to 2170MHz | (dB) | —             | —             | 0.80          |
| Attenuation       |                | 824 to 960MHz   | (dB) | 20.0          | 26.3          | —             |
| VSWR              |                | 1710 to 1990MHz |      | —             | 1.33          | 1.7           |
|                   |                | 2110 to 2170MHz |      | —             | 1.32          | 1.7           |
| Temperature range | Operating      |                 | (°C) | −40           | —             | +85           |
|                   | Storage        |                 | (°C) | −40           | —             | +85           |

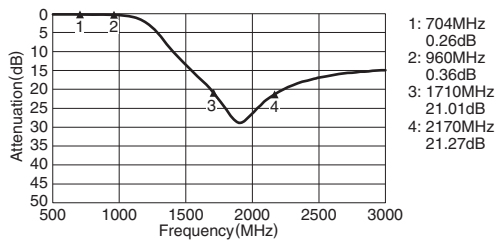
• Ta: +25±5°C

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

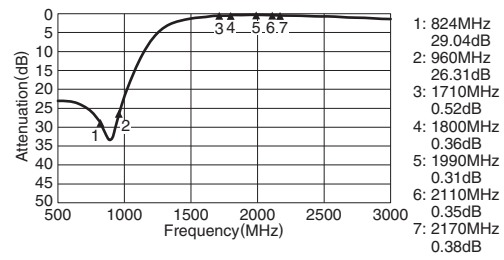
• All specifications are subject to change without notice.

## FREQUENCY CHARACTERISTICS

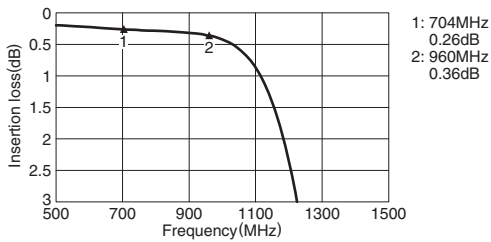
### Low-BAND PORT



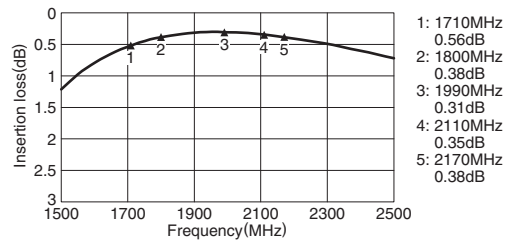
### High-BAND PORT



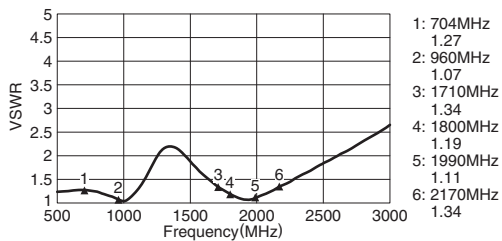
### Low-BAND PORT



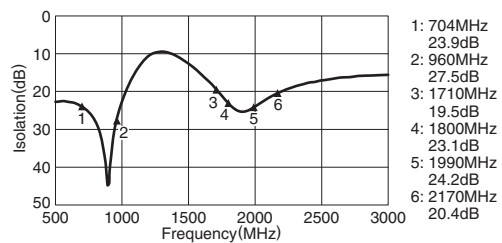
### High-BAND PORT



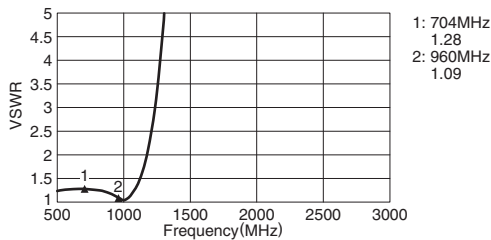
### COMMON PORT VSWR



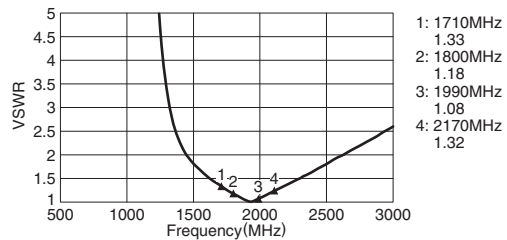
### ISOLATION



### Low-BAND PORT VSWR



### High-BAND PORT VSWR



# AMEYA360

## Components Supply Platform

Authorized Distribution Brand :



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