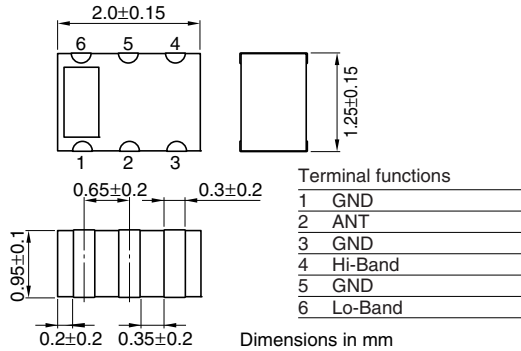


# Multilayer Chip Diplexers For UWB

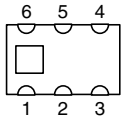
Conformity to RoHS Directive

DPX Series DPX204752DT-4028A1

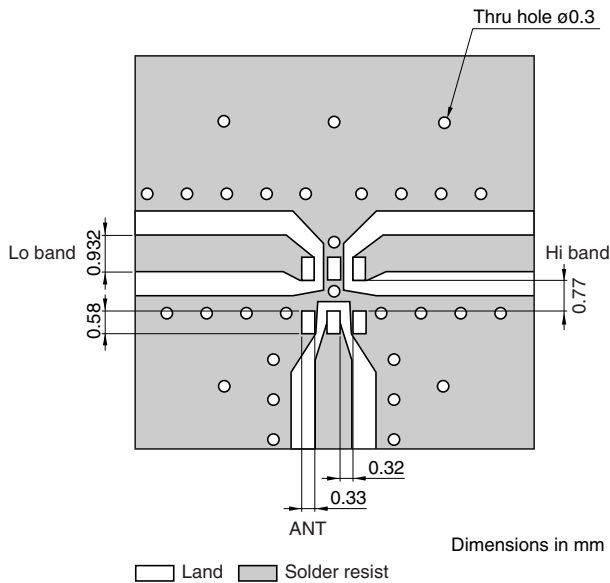
## SHAPES AND DIMENSIONS



## CIRCUIT DIAGRAM



## RECOMMENDED PC BOARD PATTERNS



## ELECTRICAL CHARACTERISTICS

| Item           | Port    | Frequency range |      | Minimum value | Typical value | Maximum value |
|----------------|---------|-----------------|------|---------------|---------------|---------------|
| Insertion loss | Lo-band | 2300 to 2500MHz | (dB) | —             | —             | 1.1           |
|                | Hi-band | 3168 to 4752MHz | (dB) | —             | —             | 1.2           |
| Return loss    | ANT     | 2300 to 2500MHz | (dB) | 10.0          | —             | —             |
|                | ANT     | 3168 to 4752MHz | (dB) | 7.0           | —             | —             |
| Attenuation    | Hi-band | 2300 to 2500MHz | (dB) | 20.0          | —             | —             |
|                | Lo-band | 3168 to 4752MHz | (dB) | 20.0          | —             | —             |

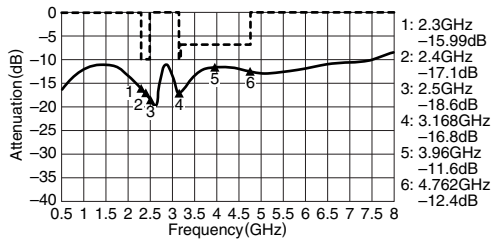
• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.

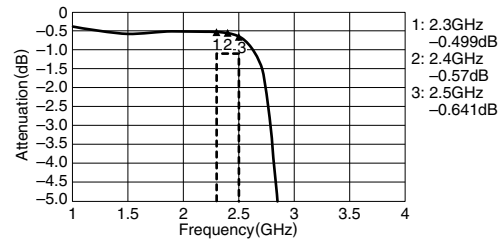
## FREQUENCY CHARACTERISTICS

### ANT-LOW

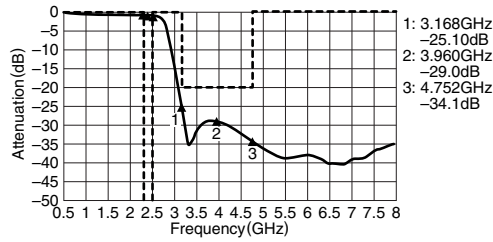
#### S11



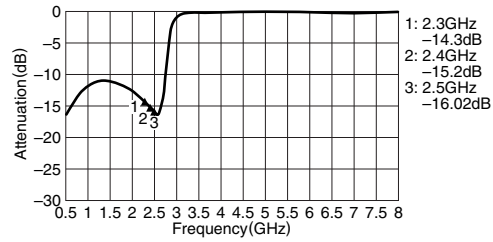
#### S21



#### S21

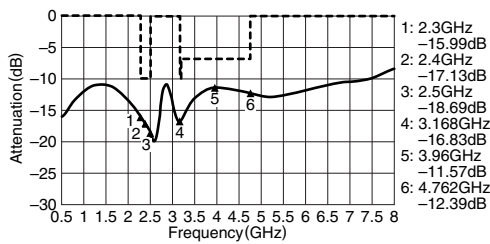


#### S22

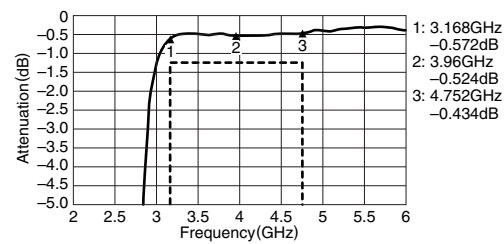


### ANT-HIGH

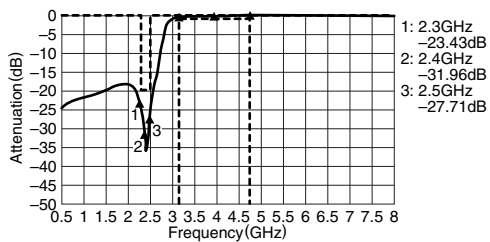
#### S11



#### S31



#### S31



#### S33

