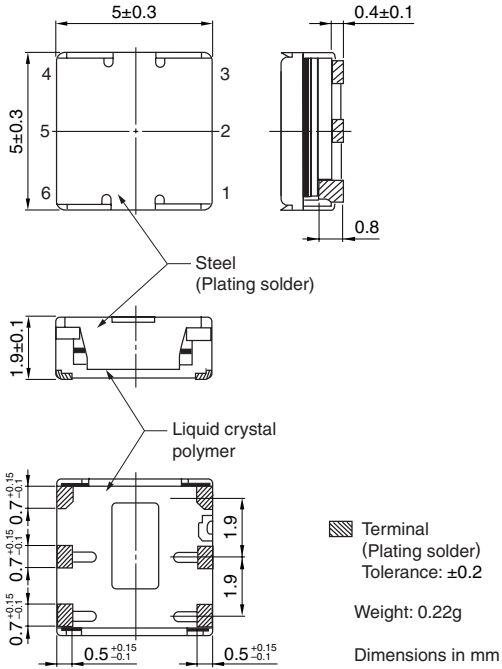


Circulators/Isolators SMD

CU Series CU452

SHAPES AND DIMENSIONS

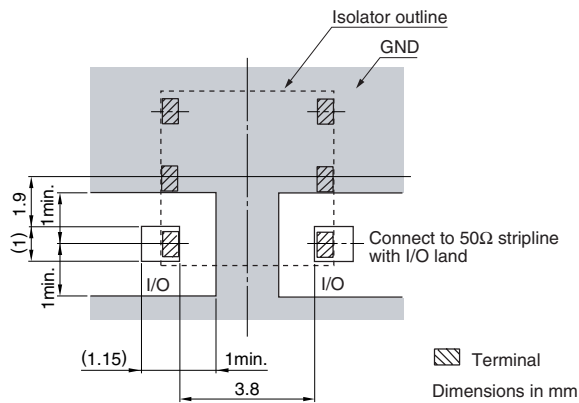


TERMINAL FUNCTIONS

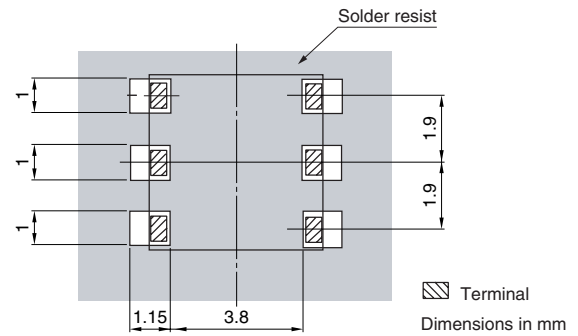
| No. | A(CW) | B(CCW) |
|-----|-------|--------|
| 1 | IN | OUT |
| 2 | GND | GND |
| 3 | GND | GND |
| 4 | GND | GND |
| 5 | GND | GND |
| 6 | OUT | IN |

RECOMMENDED PC BOARD PATTERN

LAND



SOLDER RESIST



ELECTRICAL CHARACTERISTICS

CU452□*11F-□*2-1TE2 (5x5x2mm Isolator)

*1 Direction CW-'A' or CCW-'B'

*2 Center frequency

Other frequencies available on your request.

| Use | Frequency range (MHz) | Center frequency (MHz) | Isolation (dB) min. | Insertion loss (dB) max. | VSWR max. $Z_0=50\Omega$ | Handling power (W) | Capacity of built-in resistor (W) | Temperature range (°C) | Weight (g) |
|----------|-----------------------|------------------------|---------------------|--------------------------|--------------------------|--------------------|-----------------------------------|------------------------|------------|
| Cellular | 824 to 849 | 836.5 | 14 | 0.65 | 1.5 | | | | |
| | 869 to 894 | 881.5 | | | | | | | |
| GSM900 | 880 to 915 | 897.5 | 14 | 0.7 | 1.5 | | | | |
| | 925 to 960 | 942.5 | | | | | | | |
| DCS | 1710 to 1785 | 1747.5 | 13 | 0.7 | 1.5 | 2.5 | 0.6* | -35 to +85 | 0.22 |
| | 1805 to 1880 | 1842.5 | | | | | | | |
| PCS | 1850 to 1910 | 1880 | 14 | 0.6 | 1.5 | | | | |
| | 190 to 1990 | 1960 | | | | | | | |
| TD-SCDMA | 2010 to 2025 | 2017.5 | 14 | 0.6 | 1.5 | | | | |
| WCDMA | 1920 to 1980 | 1950 | 14 | 0.6 | 1.5 | | | | |
| | 2110 to 2170 | 2140 | | | | | | | |

* Bottom surface to be kept below +85°C.