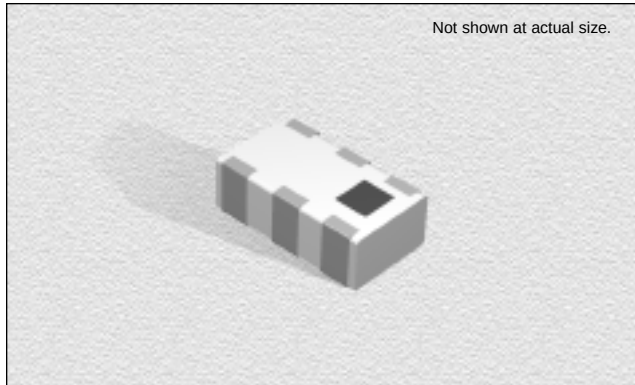


# CTLPF1608

## 0.824 GHz to 2.5 GHz



### CHARACTERISTICS

**Description:** Multi-layer Chip Low Pass Filters

**Applications:** WLAN, Bluetooth, HomeRF, 2.4 GHz ISM, PCS/DCS/GSM/DECT/PHS

**Operating Temperature:** -40°C to +85°C

**Packaging:** Tape & Reel

**Polarity Marking:** Marking is on the upper surface of the unit

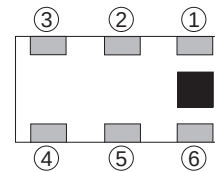
**Additional Information:** Additional electrical & physical information available upon request

**Samples available. See website for ordering information.**

### SPECIFICATIONS

| Part Number     | Frequency (MHz) | Insertion Loss (dB) (Max.) | Attenuation (Min.)                                                         | Return Loss (dB) (Min.) | Input Power Watts (Max.) | Impedance ( $\Omega$ ) |
|-----------------|-----------------|----------------------------|----------------------------------------------------------------------------|-------------------------|--------------------------|------------------------|
| CTLPF1608-0869  | 824 - 915       | 0.6                        | 20 dB @ $2 \times f_0$<br>15 dB @ $3 \times f_0$                           | 10.9                    | 3                        | 50                     |
| CTLPF1608-1810  | 1710 - 1910     | 0.6                        | 30 dB @ 3420 - 3570MHz<br>25 dB @ 3700 - 3820MHz<br>20 dB @ 5130 - 5730MHz | 11.7                    | 3                        | 50                     |
| CTLPF1608-1880  | 1850 - 1910     | 0.6                        | 27 dB @ $2 \times f_0$<br>19 dB @ $3 \times f_0$                           | 11.7                    | 3                        | 50                     |
| CTLPF1608-2450A | 2400 - 2500     | 0.5                        | 25 dB @ $2 \times f_0$<br>18 dB @ $3 \times f_0$                           | 14                      | 3                        | 50                     |
| CTLPF1608-2450B | 2400 - 2500     | 0.5                        | 35 dB @ $2 \times f_0$<br>25 dB @ $3 \times f_0$                           | 14                      | 3                        | 50                     |

### TERMINAL CONFIGURATION



| No. | Function | No. | Function |
|-----|----------|-----|----------|
| 1   | GND      | 4   | OUT      |
| 2   | NC       | 5   | GND      |
| 3   | GND      | 6   | IN       |

\*For P/N's CTLPF1608-2450A & -2450B

No. 2 Function OUT

No. 4 Function GND

No. 5 Function IN

No. 6 Function GND

### PHYSICAL DIMENSIONS

| Size   | L           | W           | T           | a           | b                  | c           | g           | p           |
|--------|-------------|-------------|-------------|-------------|--------------------|-------------|-------------|-------------|
| mm     | 1.6±0.1     | 0.80±0.1    | 0.60±0.1    | 0.20±0.1    | 0.20+0.1/0.15      | 0.15±0.1    | 0.30±0.1    | 0.50±0.05   |
| inches | 0.063±0.004 | 0.032±0.004 | 0.024±0.004 | 0.008±0.004 | 0.008+0.004/-0.006 | 0.006±0.004 | 0.012±0.004 | 0.020±0.002 |

