



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 1843 MHz Ceramic Bandpass Filter

**Part Number: AM1843B1459**



## Electrical specifications

**Center Frequency:** 1843 MHz  
**Bandwidth:** 75 MHz min  
**VSWR:** 1.7 : 1 max  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 1805.5-1880.5 MHz  
**Passband Insertion Loss:** 3.0 dB max  
**Passband Ripple:** 1.0 dB max  
**Rejection:** 40 dB min at 1630.2-1705.2 MHz  
**Rejection 2:** 8 dB min at 1710-1785 MHz  
**Rejection 3:** 38 dB min at 1994.6-2069.6 MHz  
**Rejection 4:** 50 dB min at 2184.2-2259.2 MHz  
**Rejection 5:** 50 dB min at 2359-2434 MHz  
**Power Handling:** 3 watt max  
**Group delay variation:** 10 nsec max

## Mechanical

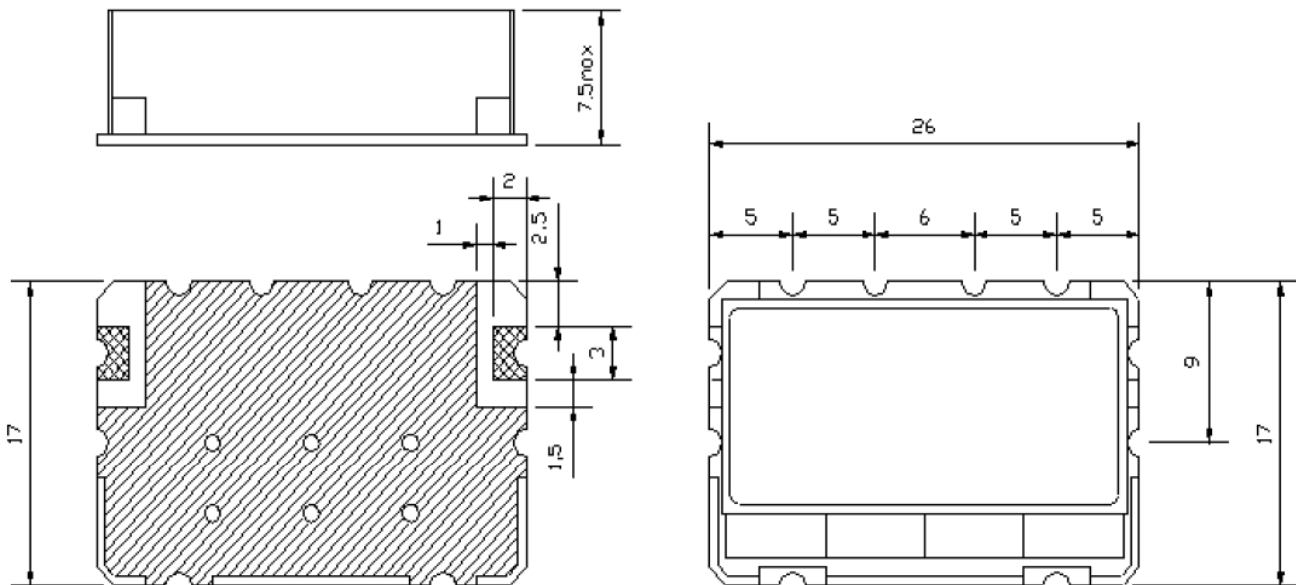
**Mounting Method:** SMT  
**Dimensions:** 26 x 17 x 7.5 mm

## Environmental

**Operating Temperature:** -20°C to 70°C  
**Storage Temperature:** -50°C to +90°C

**This product is RoHs compliant.**

## Outline Drawing:



Unit:mm  
Tolerance:±0.3