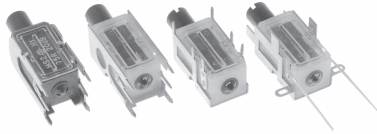


# Model M2001H

Vishay Draloric

VISHAY

## Adjustable Carbon Attenuators



### MECHANICAL SPECIFICATIONS

**Casing:** Plastic material, dust protected.**Shielded Basket/Pins:** Electroplated SN, 5 $\mu$ .**Mounting:** Fish-plates.**Adjustment:** Insulated plastic shaft with screwdriver slot and .079 inch [2mm] hexagon.**Terminals:** Silver plated lugs, tinned pins.**Nominal angle of rotation:** 3 (+ 3.0 - 0.5) revolutions.  
6 revolutions on request.**Operating torque:** .56 to 1.96 oz. in.**End stop torque:** 4.97 oz. in. (7 Ncm). Fixed stop at 3 revolutions. 6 revolutions, clutch mechanism, no end stop.**Weight:** .13 to .14 oz.

### MATERIAL SPECIFICATIONS

**Cover:** Makrolon 94V2.**Shaft:** Durethan 94V0.**Case:** Hostaform 94HB.

### FEATURES

- Model M2001H is for matching the characteristic impedance of coaxial antenna cables and is suitable for antenna amplifiers of up to 900MHz.

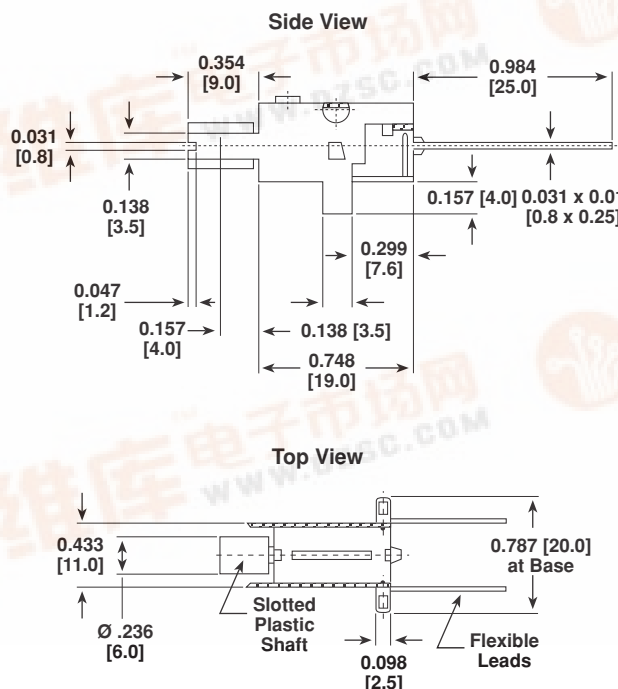
### STANDARD ELECTRICAL SPECIFICATIONS

|                                           |                                                    |
|-------------------------------------------|----------------------------------------------------|
| Resistive Element                         | Carbon on laminated paper                          |
| Wiper Contact                             | Metal                                              |
| Impedance                                 | 75 ohms, 50 ohms (60 ohms on request)              |
| Power Rating                              | .25 watt                                           |
| Nominal Attenuation and Tolerance         | 20dB (+ 5 - 2dB), 10dB (+ 2 - 2dB), 6dB on request |
| Adjustable Minimum Attenuation            | $\leq 0.5\text{dB}$                                |
| Variation in Attenuation Due to Frequency |                                                    |
| up to 300MHz                              | $\leq 0.25\text{dB}$                               |
| over 300 to 900MHz                        | $\leq 1\text{dB}$                                  |
| Reflexion Attenuation                     | .5 to 20dB attenuation                             |
| up to 300MHz                              | $\geq 20\text{dB}$                                 |
| up to 900MHz                              | $\geq 15\text{dB}$                                 |
| Temperature Limits                        | - 25°C to + 70°C                                   |

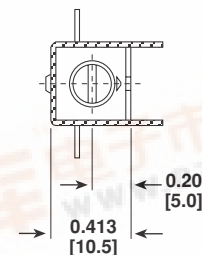
**NOTE:** Typical curves for transmission and return loss available.

### DIMENSIONAL CONFIGURATIONS [in millimeters]

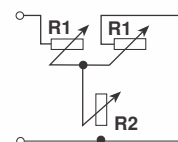
M2001HP1



### End View (All Versions)



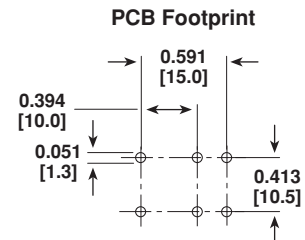
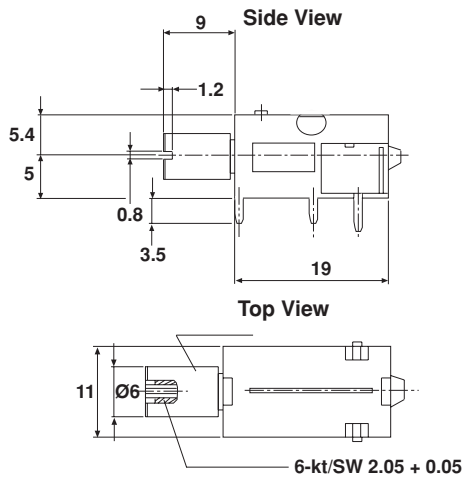
### Electrical Circuit



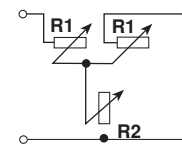


**DIMENSIONAL CONFIGURATIONS [in millimeters]**

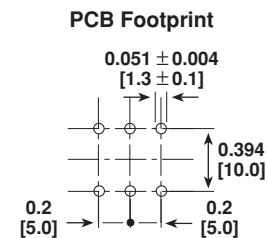
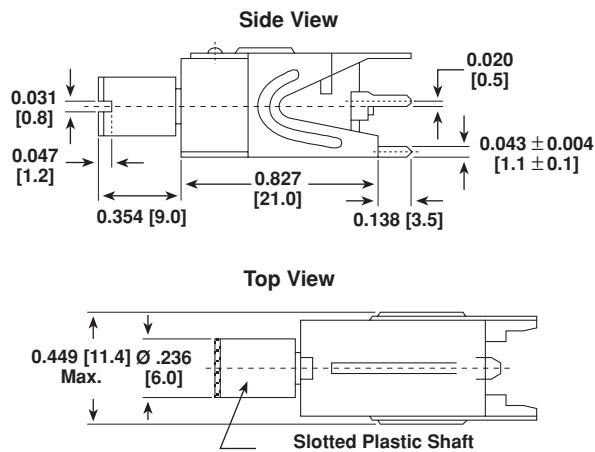
**M2001HP2**



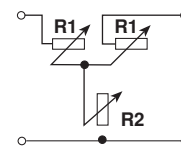
**Electrical Circuit**



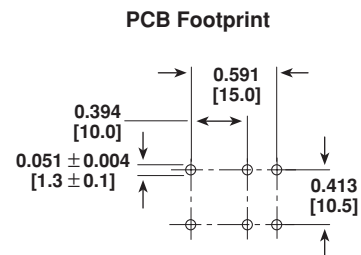
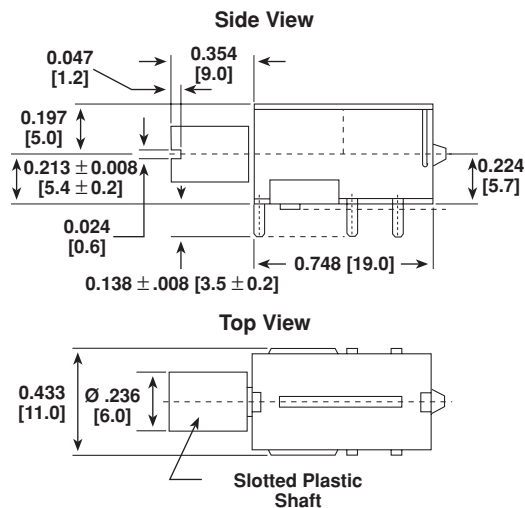
**M2001HS2**



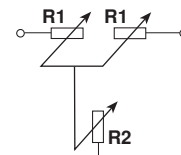
**Electrical Circuit**



**M2001HP3**



**Electrical Circuit**



# Model M2001H

Vishay Draloric



## PACKAGING

**M2001HP1, M2001HS2:** 250 pieces in bulk.  
**M2001HP2, M2001HP3:** 100 pieces in plastic insert.

## HOW TO ORDER

|               |                  |   |                 |   |              |   |           |
|---------------|------------------|---|-----------------|---|--------------|---|-----------|
| <b>M2001H</b> | <b>S2</b>        | — | <b>75R</b>      | — | <b>20dB</b>  | — | <b>3U</b> |
| MODEL         | STYLE            |   | VALUE<br>(ohms) |   | DECIBELS     |   | TURNS     |
| M2001H        | P1, P2<br>P3, S2 |   | 75R<br>50R      |   | 10dB<br>20dB |   | 3U<br>6U  |