## Model M2001H

Vishay Draloric



# **Adjustable Carbon Attenuators**



#### **MECHANICAL SPECIFICATIONS**

Casing: Plastic material, dust protected.
Shielded Basket/Pins: Electroplated SN, 5μ.
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 ELE	CTRICAL 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	$\leq$ 0.5dB				
Variation in Attenuation Due to Frequency					
up to 300MHz over 300 to 900MHZ	≤ 0.25dB ≤ 1dB				
Reflexion Attenuation up to 300MHz up to 900MHz	.5 to 20dB attenuation ≥ 20dB ≥ 15dB				
Temperature Limits	- 25°C to + 70°C				

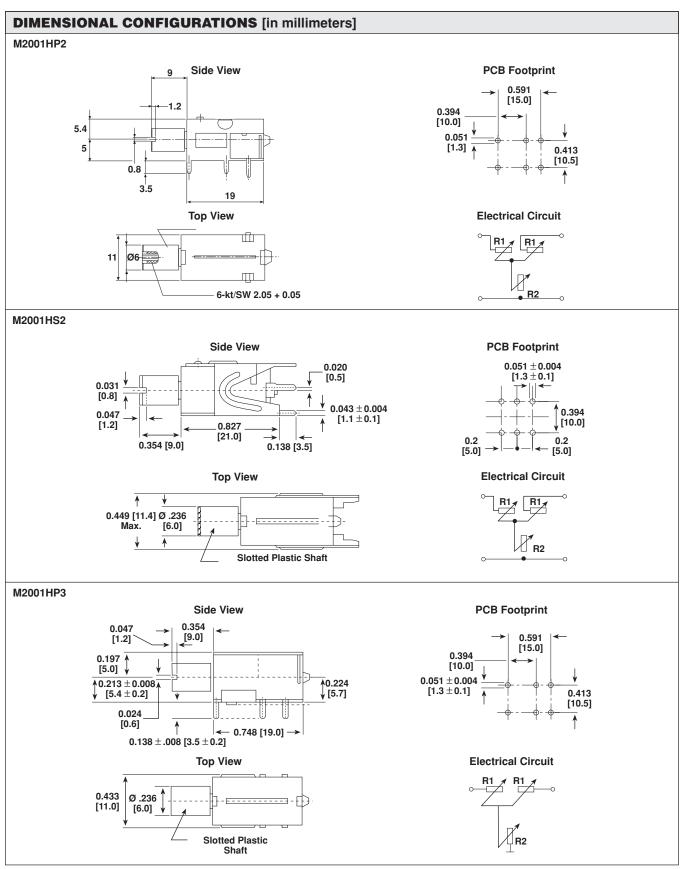
NOTE: Typical curves for transmission and return loss available.

#### **DIMENSIONAL CONFIGURATIONS** [in millimeters] M2001HP1 Side View End View (All Versions) 0.354 0.984 [9.0] [25.0] 0.031 [0.8] ¥ 0.157 [4.0] 0.031 x 0.01 0.138 [0.8 x 0.25] [3.5] 0.299 [7.6] 0.20 0.047 [5.0] [1.2] 0.157 0.138 [3.5] 0.413 [4.0] [10.5] 0.748 [19.0] **Top View Electrical Circuit** R1 0.433 0.787 [20.0] [11.0] at Base 1 Slotted <sup>∐</sup> R2 Plastic Ø.236 Flexible Shaft [6.0] 0.098 Leads [2.5]



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#### PACKAGING

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

DW TO ORDER								
M2001H	S2	_	75R	_	20dB	_	3U	
MODEL	STYLE		VALUE (ohms)		DECIBELS		TURNS	
M2001H	P1, P2 P3, S2		75R		10dB 20dB		3U 6U	
			50R					



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