

Model P110
11mm Rotary Potentiometer
Insulated Shaft
Conductive Plastic Element
With / Without Bushing
RoHS Compliant



MODEL STYLES

Side Adjust , PCB pins	P110KV
Side Adjust , PCB pins, with Bushing	P110KV1
Top Adjust, PCB pins	P110KH
Top Adjust, PCB pins, with Bushing	P110KH1

ELECTRICAL¹

Resistance Range, Ohms	500-1M
Standard Resistance Tolerance	± 20%
Residual Resistance	20 ohms max.
Input Voltage, maximum	50 Vac max.
Power rating, Watts	0.05
Dielectric Strength	500Vac, 1 minute
Insulation Resistance, Minimum	100M ohms at 500Vdc
Sliding Noise	100mV max.
Actual Electrical Travel, Nominal	260°

MECHANICAL

Total Mechanical Travel	300°± 10°
Static Stop Strength	40 oz-in
Rotational Torque	0.5 to 1.25 oz-in

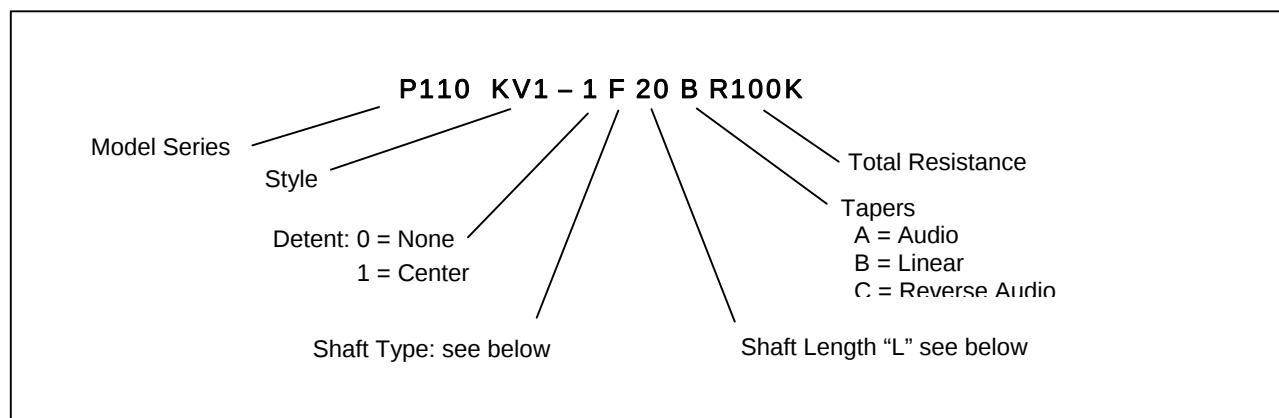
ENVIRONMENTAL

Operating Temperature Range	-20°C to +70°C
Rotational Life	30,000 cycles

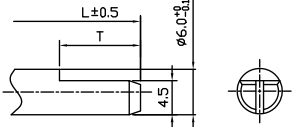
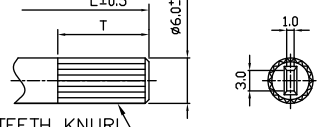
¹ Specifications subject to change without notice.

Model P110

ORDERING INFORMATION²



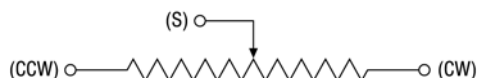
Shaft Types

	F-TYPE						Y-TYPE					
												
WITH BUSHING	L	15	20	25			L	15	20	25		
	T	7	12	12			T	7	12	12		
WITHOUT BUSHING	L	15	18	20	25	30	L	15	20			
	T	4.5	7	7	12	12	T	5	7			

STANDARD RESISTANCE VALUES, OHMS

500 1K 2K 5K 10K 20K 50K 100K 200K 500K 1MEG

CIRCUIT DIAGRAM



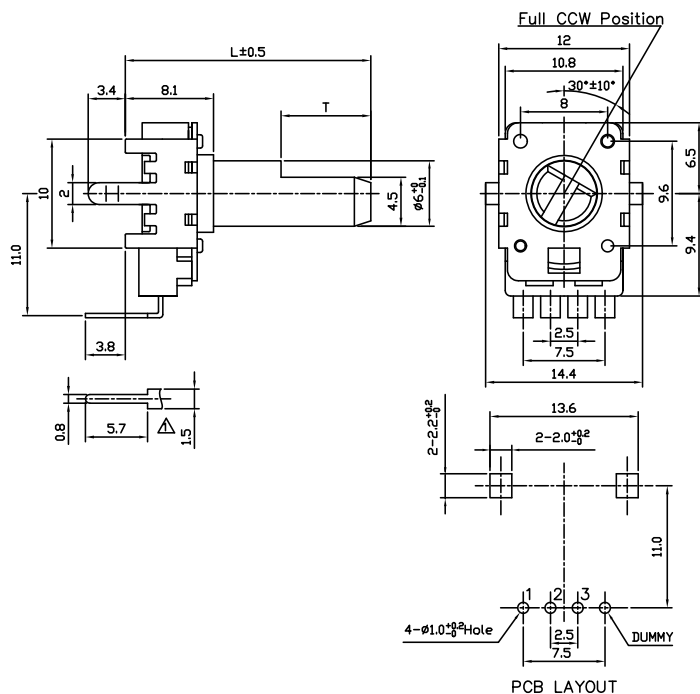
² Contact our customer service for custom designs and features.

OUTLINE DRAWING

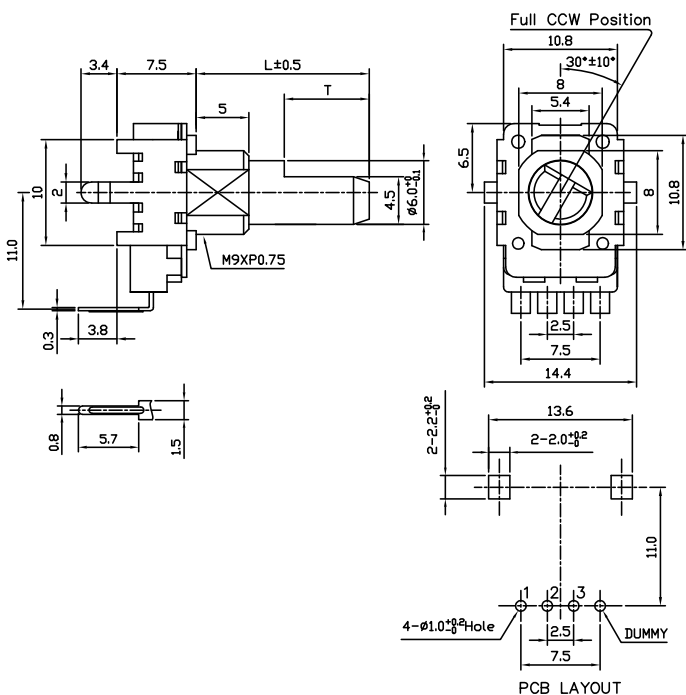
[illegible]

Model P110

Model P110KH (Top Adjust, PCB pins)



Model P110KH1 (Top Adjust, PCB pins, with Bushing)



Model P110

BI Technologies Corporation

4200 Bonita Place, Fullerton, CA 92835 USA

Phone: 714 447 2345 Website: www.bitechnologies.com

July 18, 2008

page 5 of 5



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

BI Technologies:

[P110KV1-0Y20CR2K5](#) [P110KV-0Y15BR10K](#) [P110KV1-0Y20BR50K](#) [P110KV1-0Y15BR50K](#) [P110KH10Y15BR100K](#)
[P110KH-0F20BR10K](#) [P110KH1-1F15BR10K](#) [P110KH-1F20AR500K](#) [P110KV1-0F25AR10K](#) [P110KV1-0F25AR1K](#)
[P110KV1-0FAR10K](#)

TT electronics:

[P110KH1-0Y15BR100K](#) [P110KV1-0F20BR50K](#) [P110KH-0F25BR20K](#) [P110KH1-1F15BR1K](#) [P110KH1-1F15BR200K](#)
[P110KH-1F25BR20K](#) [P110KH-1F20AR500](#) [P110KH1-1Y15BR1K](#) [P110KV1-0Y20CR500](#) [P110KV1-0Y20CR1K](#)
[P110KH1-1Y15BR10K](#) [P110KH1-0F15BR20K](#) [P110KV1-0Y15CR500](#) [P110KH1-1F15BR20K](#)

TT Electronics:

[P110KH1-0F15BR10K](#) [P110KH-0Y20BR10K](#) [P110KV1-1F25BR1K](#) [P110KH1-0F25BR10K](#) [P110KV1-1F15BR100K](#)