

SPECIFICATIONS

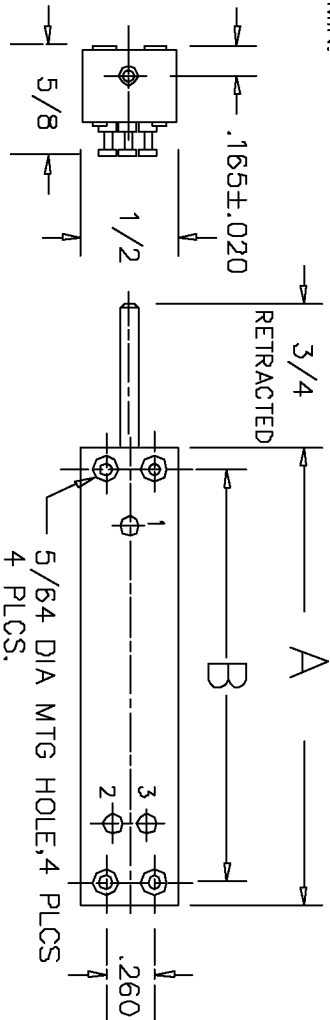
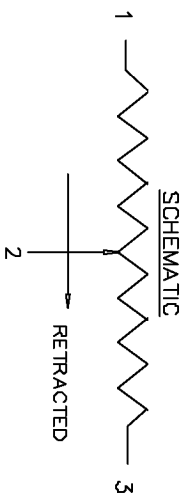
RESOLUTION ----- SEE CHART
 ELECTRICAL NOISE ----- 100 OHMS MAX.
 DIELECTRIC STRENGTH ----- 1000 MEGOHMS AT 500VDC MIN.
 INSULATION RESISTANCE ----- 500 VAC MIN.
 FRICTION ----- 3.6 OZ.
 STOP STRENGTH ----- 20 OZ. MIN.
 RESISTANCE TEMPCO ----- ±20 PPM/°C
 WEIGHT ----- 10 TO 35 GRAMS

MATERIALS

BODY ----- ALUMINUM (BLACK ANODIZE)
 LID ----- HIGH TEMP. PLASTIC
 SHAFT ----- STAINLESS STEEL
 TERMINALS ----- BRASS GOLD PLATED
 RESISTANCE ELEMENT ----- WIRE WOUND

OPTIONS AVAILABLE

SPECIAL ENDED SHAFTS
 SPECIAL RESISTANCE VALUES
 SPECIAL LINEARITY
 NON STANDARD STROKES
 SPRING RETURNS
 CONDUCTIVE PLASTIC ELEMENT



REV. G	BY BT	DATE 5-15-0	PART NO. LW12
			FRICION WAS 1.8



MODEL NO.	LW12-12	LW12-25	LW12-50	LW12-100
STD. RESIS. VALUES	100, 200, 500 1K, 2K, 5K, 10K	100, 200, 500, 1K 1K, 2K, 5K, 10K, 20K	100, 200, 500, 1K, 100, 200, 500, 1K 2K, 5K, 10K, 20K, 50K	
RESISTANCE TOL.	±5%	±5%	±5%	±5%
LINEARITY (IND.)	±1.5%	±1.0%	±0.7%	±0.5%
POWER RATING	0.25 WATT	0.5 WATT	1.0 WATT	2.0 WATT
STROKE MECH. ±.1-.0	1/2"	1"	2"	4"
STROKE ELECT ±.02				
A DIM ±0.04	1.50	2.00	3.00	5.00
B DIM ±0.02	1.26	1.77	2.75	4.76

MODEL NO.'S.	SHAFT STYLES
LW12P-(STROKE)-(RES.)	(P) PLAIN
LW12A-	(A) #4-40 THREAD
LW12B-	(B) #5-40 THREAD
LW12C-	(C) CHAMFERED
LW12S-	(S) SPRING RETURN

NOTE: FOR SPRING RETURN WITH THREAD, SEE DWG LW12ST

RESOLUTION CHART

MODEL	100	200	500	1K	2K	5K	10K	20K	50K
LW12-12	.8%	.7%	.6%	.4%	.34%	.25%	.2%		
LW12-25	.5%	.4%	.26%	.21%	.17%	.12%	.1%		
LW12-50	.3%	.25%	.2%	.15%	.12%	.09%	.07%	.06%	
LW12-100	.2%	.12%	.1%	.08%	.06%	.05%	.04%	.03%	

TOLERANCES

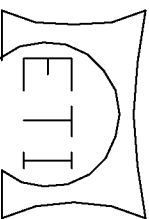
XX = +/- .010° FRACT. = +/- 1/64°
 XXX = +/- .005° ANGLES = +/- 1/2°

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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TITLE

LINEAR MOTION
 POTENTIOMETER



CARLSBAD
 CALIFORNIA

PART NO.

LW12