

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

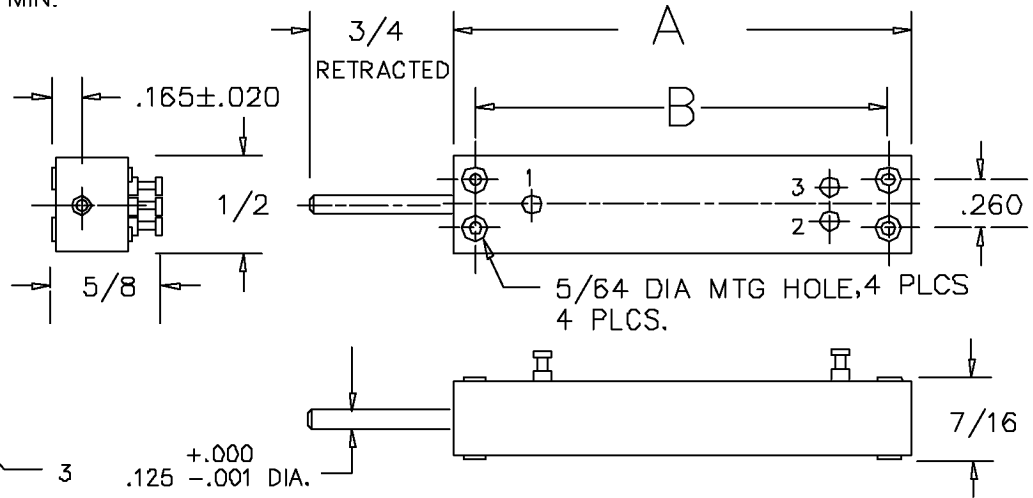
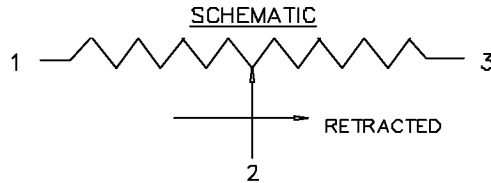
REV.	BY	DATE	PART NO.
G	BT	5-15-0	LW12 FRICTION WAS 1.8

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



MODEL NO'S.

SHAFT STYLES

LW12P-(STROKE)-(RES.)	(P)		PLAIN
LW12 A - " "	(A)		#4-40 THREAD
LW12 B - " "	(B)		#5-40 THREAD
LW12 C - " "	(C)		CHAMFERED
LW12 S - " "	(S)		SPRING RETURN
LW12S-100 (RES)			RETRACTED LENGTH OF SHAFT TO BE 1 1/4" FOR 4" STROKE SPRING RETURN.

NOTE: FOR SPRING RETURN WITH THREAD, SEE DWG LW12ST

MODEL NO.	LW12-12	LW12-25	LW12-50	LW12-100
STD.RESIS.VALUES	100,200,500 1K,2K,5K,10K	100,200,500 1K,2K,5K,10K	100,200,500,1K 2K,5K,10K,20K	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	1/2"	1"	2"	4"
'A' DIM ±0.04	1.50	2.00	3.00	5.00
'B' DIM ±0.02	1.26	1.77	2.75	4.76

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%	.12%	.1%	.08%	.06%	.05%	.04%	.03%

SCALE: NONE
 DATE: 3-29-86
 BY:
 APPR'VD: BT
 CODE IDENT: 19477

TITLE: LINEAR MOTION POTENTIOMETER

Precision Sales Inc.
 www.precisionsales.com
 F : 610-353-1674
 610-359-1002
 PART NO. LW12

TOLERANCES
 XX = +/- .010" FRACT. = +/- 1/64"
 XXX = +/- .005" ANGLES = +/- 1/2°
 ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.