

PART NO. SMR46B

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REV.	BY DATE	
H	AT 1-23-03	REVISED

SPECIFICATIONS

RESISTANCE RANGE	-----	50 TO 300K
RESISTANCE TOLERANCE	-----	±5%
LINEARITY, INDEPENDENT	-----	SEE CHART
RESOLUTION	-----	SEE CHART
END RESISTANCE	-----	1 OHM OR 1%
ELECTRICAL TRAVEL	-----	SEE CHART
NOISE	-----	100 OHMS MAX
POWER RATING	-----	SEE CHART
INSULATION RESISTANCE	-----	100 MEGOHMS @
DIELECTRIC STRENGTH	-----	1000 VAC MIN.
<u>MECHANICAL</u>		
NUMBER OF TURNS	-----	SEE CHART
MECHANICAL TRAVEL	-----	SEE CHART
TORQUE, ROTATIONAL	-----	2.8 OZ.IN.
SHAFT END PLAY	-----	.005 T.I.R.
LIFE (SHAFT REVOLUTIONS)	-----	SEE CHART
STOP STRENGTH	-----	125 OZ.IN. MIN.
<u>ENVIRONMENTAL</u>		

MECHANICAL

NUMBER OF TURNS -----	SEE CHART
MECHANICAL TRAVEL -----	SEE CHART
TORQUE,ROTATIONAL -----	2.8 OZ.IN.
SHAFT END PLAY -----	.005 T.I.R.
LIFE (SHAFT REVOLUTIONS) --	SEE CHART
STOP STRENGTH -----	125 OZ.IN. MIN.

ENVIRONMENTAL

OPERATING TEMPERATURE ----- -55°C TO +105°C
TEMPERATURE COEFFICIENT ----- SEE CHART
VIBRATION ----- 10HZ TO 2000HZ 15G
SHOCK ----- 50G 11MS
MOISTURE RESISTANCE ----- 40°C 95%RH 120 HOURS

OPTIONS

SPECIAL SHAFTS **BALL BEARINGS** **SPECIAL RESISTANCES**
SERVO MOUNT **SPECIAL LINEARITY** **DUAL GANGS**

MATERIAL

HOUSING - - - - -	THERMO-SETTING PLASTIC
SERVO UD - - - - -	ALUMINUM ANODIZED
SHAFT - - - - -	STAINLESS STEEL
TERMINALS - - - - -	GOLD PLATED
BEARINGS - - - - -	BUSHING

% RESOLUTION AND TEMPERATURE COEFFICIENT CHART

# SLIDEWIRE (INFINITE RESOLUTION)																																
RESIS. MODEL	.5	1	2	5	10	20	50	100	200	500	1K	2K	5K	10K	20K	50K	100K	200K	300K													
-3	#	#	#	#	.180	.145	.105	.084	.066	.048	.054	.043	.031	.024	.019	.014	.012															
-5	#	#	#	#	#	.108	.078	.061	.048	.035	.039	.031	.024	.017	.013	.009	.008															
-10	#	#	#	#	#	#	.050	.040	.031	.023	.026	.020	.015	.012	.009	.007	.005	.004	.004													
TEMPCO	80 PPM/°C										20 PPM/°C																					
	3600±5°										3600±10°-0'										0.25%	10	5 WATTS	2,000,000	5.0 OZ.	3.31						
	1800±5°										1800±10°-0'										0.5%	5	2.5 WATTS	1,000,000	3.5 OZ.	2.63						
	1080±5°										1080+10°-0'										0.5%	3	2 WATTS	600,000	3.5 OZ.	2.63						
	ELECTRICAL TRAVEL										MECHANICAL TRAVEL										LINEARITY (IND.)		NO. OF TURNS		POWER RATING @ 40°C		ROTATIONAL LIFE (TURNS)		WEIGHT		A DIM	

ORDERING PART NO.

SMR46B - 10 - 1 OR 2 - RESIS.	COAL	NONE
MODEL	DATE:	10-22-86
NO. OF SWITCHES (NOTE: -1 HAS ONE SWITCH)	BY	

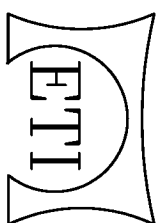
TOLERANCES

XX = +/- .010" FRACT. = +/- 1/84"
XXX = +/- .005" ANGLES = +/- 1/2°

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TITLE

WIREWOUND
MULTI-TURN
POTENTIOMETER



▽ **▽** **CARISBAD**
SYSTEMS **CALIFORNIA**

SMR46B

