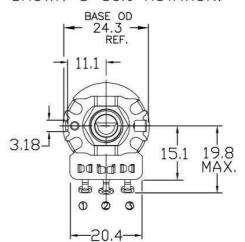
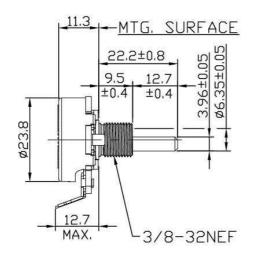
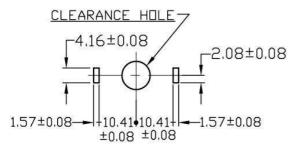
UNIT : mm

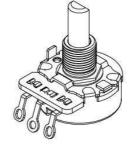
STANDARD FLAT LOCATION SHOWN @ 50% ROTATION.











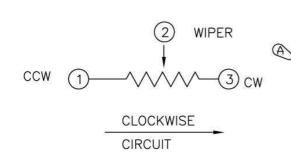
NOTES:

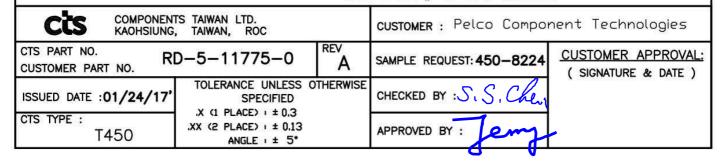
1. RESISTANCE: 2.5K±20%

2. RESIDUAL RESISTANCE:

HEHO: 2 ohms max. LEHO: 2 ohms max.

- 3. CURVE TYPE : LINEAR CTS TYPE D
- 4. BUSHING & SHAFT WITH BRASS.
- 5. TIN PLATED COVER
 - 6. THE POTS SHALL WITHSTAND 15 IN-LBS MIN.
 - 7. TORQUE: 3/4-6 IN.OZ
 - 8. HARDWARE: Nut: 45T-3; Washer: 1220A
 - 9. FOR ADDITIONAL REQUIREMENTS SEE CTS ENG. SPEC. # EN-SPE-450001N





CTS COMPONENTS TAIWAN, LTD.

ENGINEERING SPECIFICATION			SPEC NO.	
			EN-SPE-450001N	
SPECIFICATION:		DATE	PAGE OF	
450 SERIES 15/16" DIAMETER VARIABLE RESISTORS	•	05 25 02	1 1	
1. MECHANICAL:		05-25-93		
1. MECHANICAL.				
1.1 MATERIAL : ALL MATERIAL SHALL BE CORROSION ,MOISTURE RESISTANT AND <i>COMPLIANT WITH EUROPEAN UNION RoHS DIRECTIVE</i> .				
1.2 SHAFT MATERIAL : ☐ <i>PLASTIC SHAFT</i> ■ BRASS ☐ AL	WITH FLAME UL .UM	94V-2	N	
1.3 BASE (TERMINAL BOARD) : \blacksquare BAKE.	LITE WITH FLAM	E UL 94HB.		
1.4 RESISTANCE ELEMENT : CARBON.				
1.5 ANGLE OF ROTATION: WITHOUT SWITCH OR PUSH-PULL OR PUSH-PUSH SWITCHES 300°±5°.				
TOTAL WITH ROTARY SWITCH 320°±5°				
1.6 CONFIGURATION/ DIMENSIONS : SEE ATTAC	CHED DRAWING			
1.7 TURNING TORQUE: $3/4 \sim 6 \text{ in.oz}$).		
$ 1.0 \sim 3.5 \text{ in.oz} (72 \sim 252 \text{ gcm}). $				
	$(144 \sim 504 \text{ gcm})$			
	$(216 \sim 648 \text{ gcm})$			
_	$(144 \sim 720 \text{ gcm})$			
	$(288 \sim 1080 \text{ gcm})$	*		
	$(360 \sim 1440 \text{ gcm})$	m).		
2. ELECTRICAL:	ATTA CHED DD AN	WING.		
2.1 RESISTANCE, TOLERANCE & TAPER : SEE ATTACHED DRAWING. 2.2 POWER RATING : 1/2 W @55°C DERATED TO NO LOAD @85°C.				
2.3 VOLTAGE RATING : BUSHING TO TERMINALS, HIGH POT TEST, ONE MINUTE ■1080VAC OR □1500VAC, OPERATING MAX 750VDC. ACROSS END				
TERMINALS, 500VD	<i>*</i>			
2.4 ROTATIONAL LIFE TEST: ± 20% △R AFTER ■ 10K CYCLES @2K CYCLES PER HRS				
□ 100K				
☐ 250K				
@ROOM TEMPERATURE.				
2.5 HUMIDITY TEST: $\pm 20\%$ \triangle R AFTER 100 HRS 40°C & 95% R.H. WITH 2 HRS AIR DRY.				
2.6 LOAD LIFE TEST: $\pm 20\%$ \triangle R AFTER 1,000 HRS AT 55°C WITH 1/2 WATT LOAD				
APPLIED ACROSS THE RESISTANCE.				
APPLIED ACROSS THE	RESISTANCE.			
u u				
WRITTEN BY : S.S. Chen	CUSTOME	R : GEN	NERAL	
REVIEWED BY : Peter Hsieh				
APPROVED BY : H.S Hu	DISTRIBU	TION :		