

10731

REF. NO: MPCL 93 CAT.P.60

REVISION

C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D
	A	(1)Ø19.05 WAS Ø19.0.	1/11/96	T.TSUGAWA	
	B	(1) "1.5" WAS "1.6". (2) "- - -20 g (0.7oz) " WAS "- - - 60 g (2.1oz)"	02/07/01	T.TSUGAWA	

GENERAL:

MODEL CP-2FK(x) IS 22.3mm (7/8") O.D., 3.175mm (1/8") DIA. SHAFT, SERVO MOUNT, CONDUCTIVE PLASTIC POTENTIOMETER. ITS CO-MOLDED ELEMENT AND PRECISION CONSTRUCTION PERMIT THE UNIT TO FEATURE LOW TORQUE, SUPERB SMOOTHNESS AND LONG LIFE. ITS SHAFT BEARING IS AVAILABLE IN EITHER BALL BEARING OR METAL SLEEVE BEARING.

ELECTRICAL SPECIFICATIONS:

ELECTRICAL ANGLE: 340°  
 TOTAL RESISTANCE: 0.5, 1, 2, 5, 10K OHMS  
 TOTAL RESISTANCE TOLERANCE: ± 20%  
 LINEARITY (INDEPENDENT): ± 1% (±0.5% AVAILABLE)  
 REPEATABILITY:  
     MODEL CP-2FK(b): ± 0.005%  
     MODEL CP-2FK(m): ± 0.05%  
 POWER RATING: 1 WATT @70 °C  
 INSULATION RESISTANCE : 100 meg OHMS MIN. @ 1,000 Vdc  
 DIELECTRIC STRENGTH: 1,000 Vrms @50/60 Hz for 1 MINUTE

MECHANICAL SPECIFICATIONS:

MECHANICAL ANGLE: 360°  
 SHAFT BEARING:  
     MODEL CP-2FK(b): BALL BEARING  
     MODEL CP-2FK(m): METAL SLEEVE BEARING  
 TORQUE:  
     MODEL CP-2FK(b): 5 g-cm (0.069 in-oz) MAX.  
     MODEL CP-2FK(m): 20 g-cm (0.278 in-oz) MAX.  
 WEIGHT: <sup>ⓑ</sup> APPROX. 20 g ( 0.7 oz )  
 LIFE: 10 MILLION CYCLES MIN.

ENVIRONMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE: -40°C to +120°C  
 VIBRATIONS: 15 Gs, 2,000 Hz  
 SHOCK: 50Gs, 11 mS



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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN mm(in). TOLERANCES:  
 ANGLES ±1.5°  
 <10 mm: ±0.25  
 <100 mm: ±0.5  
 >100 mm: ±1

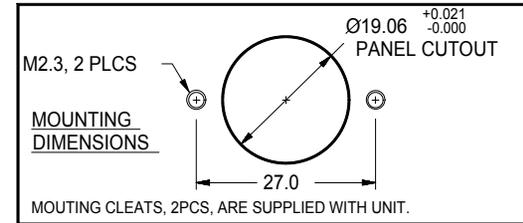
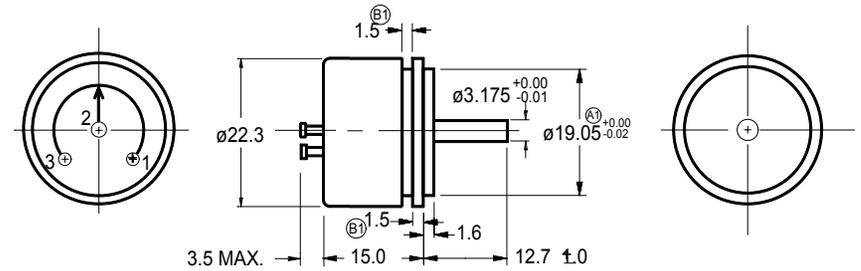


FIGURE 1 OUTLINE DIMENSIONS

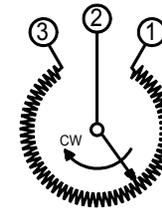


FIGURE 2 SCHEMATIC

DRAWN T.TSUGAWA CHECKED APPROVED APPROVED SCALE:	DATE 7/20/94 DATE DATE DATE DATE	SPECIFICATION DWG FOR MODEL CP-2FK(x) POTENTIOMETER	A-MAC-B48	B
FILE: CP-2FK	1 OF 1			