

# ELECTRO-OPTICAL PRODUCTS PROPRIETARY

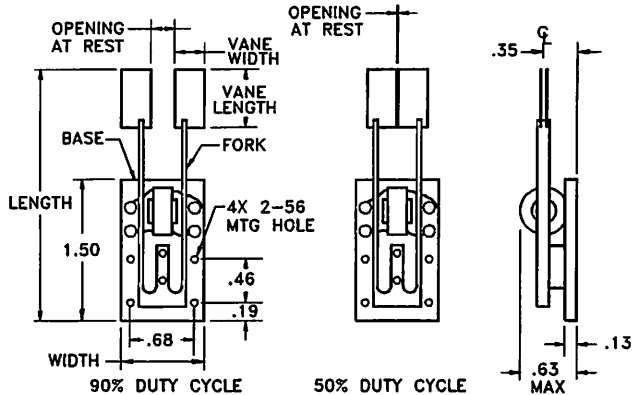
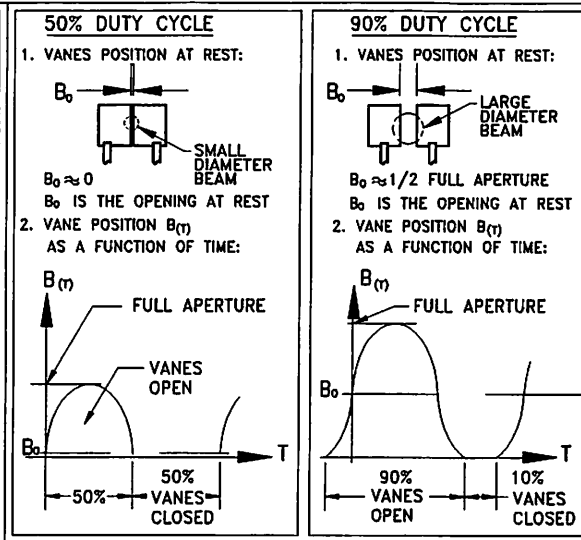
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## REVISIONS

REV	DESCRIPTION	DATE	APPROVED

FREQUENCY Hz	50% DUTY CYCLE FULL APERTURE		90% DUTY CYCLE FULL APERTURE	
	mm	Inches	mm	Inches
10-150	5.1	.20	10.2	.40
200	4.0	.16	8.1	.32
250	3.8	.15	7.6	.30
300	3.1	.12	6.1	.24
400	2.4	.10	4.8	.19
450	2.0	.08	4.0	.16
500	1.8	.07	3.6	.14
600	1.5	.06	3.0	.12
700	1.2	.05	2.0	.09
800	1.0	.04	2.0	.08
900	0.8	.03	1.6	.07
1000	0.6	.03	1.2	.05

THE ABOVE SHOULD SERVE AS GUIDELINES ONLY



- NOTES: 1) FOR 50% DUTY CYCLE: THE OPENING AT REST IS ZERO  
 2) THE STANDARD BASE HOLDS A SINGLE COIL.  
 A BASE WITH TWO COILS IS RECOMMENDED FOR LOW FREQUENCIES AND HIGH AMPLITUDE STABILITY (WITH THE AGC DRIVER) AND FOR A WIDE TEMPERATURE RANGE  
 A BASE WITH THREE COILS IS RECOMMENDED FOR HIGH FREQUENCIES AND HIGH AMPLITUDE STABILITY (WITH THE AGC DRIVER) AND FOR A WIDE TEMPERATURE RANGE  
 3) THE VANE MOTION IS SINUSOIDAL

FREQUENCY Hz	CHOPPER LENGTH INCH	WIDTH INCH		VANE LENGTH/WIDTH INCH		OPENING AT REST
		SINGLE COIL	DOUBLE/TRIPLE COIL	INCH	INCH	
10-50	2.81	.88	1.00	.63	.37	.20
60-200	2.69	.88	1.00	.63	.31	.20
200-400	2.56	.88	1.00	.50	.31	.20-.10
400-600	2.40-2.00	.88	1.00	.40	.24	.10-.06
600-800	2.00	.88	1.00	.40	.24	.06-.04
800-1000	2.00	.88	1.00	.40	.23	.04-.03

DIMENSIONS ARE IN INCHES  
 METRIC MOUNTING OPTIONAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES & PER ANSI Y14.5M-1982  FRACTIONS ± ANGLES ± 1/2° 3 PLACE DECIMALS ± 005 2 PLACE DECIMALS ± 01 HOLES ±		ELECTRO-OPTICAL PRODUCTS CORP. FRESH MEADOWS, NEW YORK	
		TITLE CH-10 TUNING FORK CHOPPER GUIDE LINES	
PREPARED 5/24/01	SIZE A	DWG NO. 01-100627	REV. -
APPROVED	SCALE NTS	SHEET	1 OF 1