

FEATURES



PETERMANN

TECHNIK

Time & Frequency Components

- HIGH RELIABILITY FOR LOW COST
- FREQUENCY STABILITY TO ± 15 PPM
- AVAILABLE IN 5.0 AND 3.3 VOLT
- NEW STANDARD FOR SMALL LOW COST OSCILLATORS
- CHEAPEST AVAILABLE SMD-OSCILLATOR IN CERAMIC PACKAGE
- EXTENDED TEMPERATURE RANGE TO $-40/+85^{\circ}\text{C}$

SERIES			SXO-0507		
PACKAGE			Ceramic package 7 x 5 x 1,8 mm³		
FREQUENCY RANGE		5.0 VOLT	1.0 ~ 125.0 MHz		
		3.3 VOLT	1.0 ~ 125.0 MHz		
FREQUENCY STABILITY			+-15 ~ +-100 PPM		
OPERATING TEMPERATURE RANGE			-10/+60°C ~ -40/+85°C		
STORAGE TEMPERATURE RANGE			-55/+125°C		
INPUT		VOLTAGE	+5.0 VDC +-10%		+3.3 VDC +-10%
		CURRENT	1.0 ~ 4.0 MHz = 10 mA max.		1.0 ~ 4.0 MHz = 10 mA max.
			4.0 ~ 32.0 MHz = 30 mA max.		4.0 ~ 32.0 MHz = 20 mA max.
			32.0 ~ 80.0 MHz = 45 mA max.		32.0 ~ 80.0 MHz = 30 mA max.
			80.0 ~ 125.0 MHz = 80 mA max.		80.0 ~ 125.0 MHz = 40 mA max.
OUTPUT	SYMMETRY	STANDARD	40/60%		
		OPTION	45/55%		
	RISE AND FALL TIME		5 ns typical / 10 ns max.		
	"0" LEVEL	TTL 5 VOLT	0.4 V max.		
	"1" LEVEL		+2.4 V min.		
	"0" LEVEL	CMOS 5 VOLT	0.4 V (10% VDD)		
	"1" LEVEL		+4.5 V (90%VDD)		
	"0" LEVEL	TTL 3.3 VOLT	0.4 V max.		
	"1" LEVEL		+1.4 V min.		
	"0" LEVEL	CMOS 3.3 VOLT	0.1 V (10% VDD)		
	"1" LEVEL		+2.97 V (90%VDD)		
	LOAD	TTL	1 ~ 10 TTL		
		CMOS	15 ~ 50 pF		
PIN 1		STANDARD	WITHOUT ENABLE/DISABLE FUNCTION		
		OPTION	WITH ENABLE/DISABLE FUNCTION		
OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION					

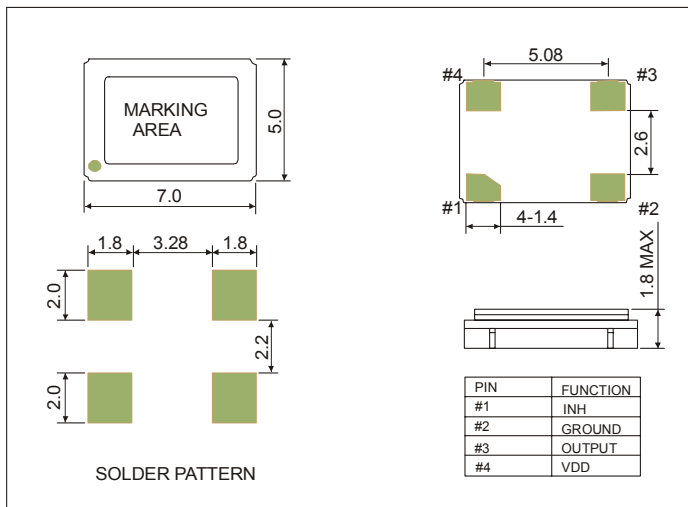
OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION

PART NUMBERING SYSTEM

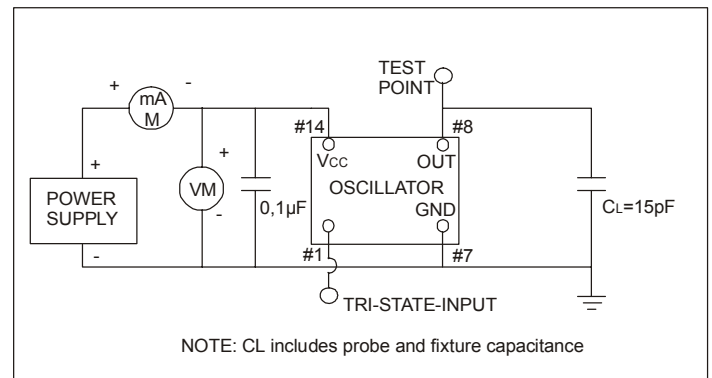
EXAMPLE	SXO3-0507-S-E-50-W-27.000MHz-T
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SERIES	SXO-0507 FOR 5 VOLT
	SXO3-0507 FOR 3.3 VOLT
SYMMETRY	BLANK FOR 40/60%
	S FOR 45/55%
PIN 1 ENABLE/DISABLE	BLANK FOR NO E/D
	E FOR E/D
FREQUENCY STABILITY	BLANK FOR 100 PPM
	ANY 15 ~ 50 PPM
TEMPERATURE RANGE	BLANK FOR $0/+70^{\circ}\text{C}$
	N = $-10/+60^{\circ}\text{C}$
	M = $-20/+70^{\circ}\text{C}$
	W = $-40/+85^{\circ}\text{C}$
FREQUENCY	FREQUENCY IN MHz
TAPE AND REEL	-T

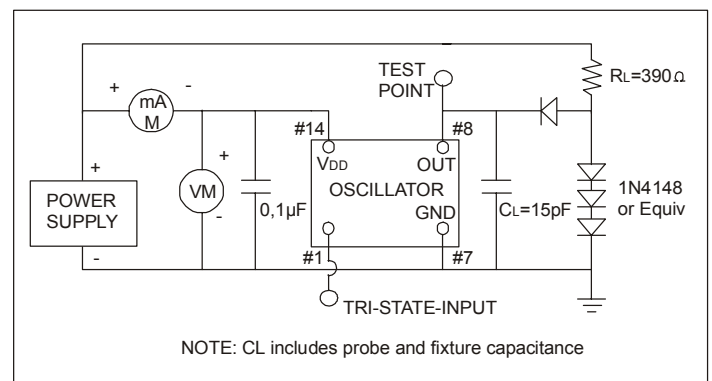
OUTLINE DRAWING OF SXO-0507



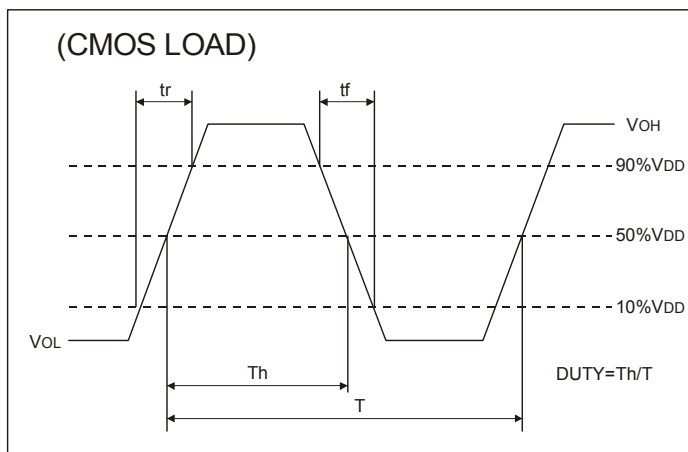
TEST CIRCUIT CMOS



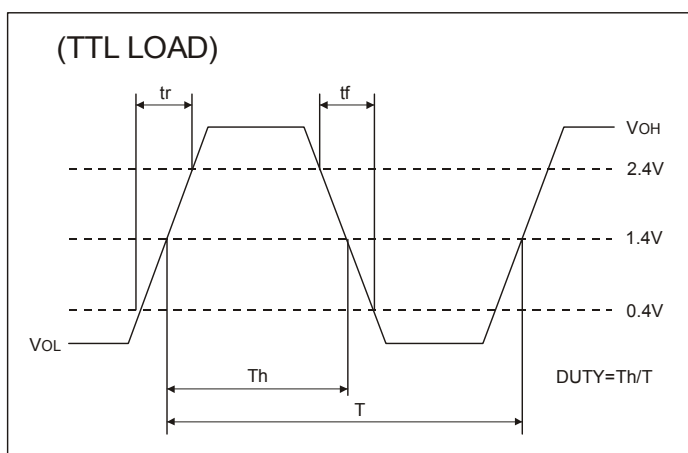
TEST CIRCUIT TTL



OUTPUT WAVE FORM CMOS



OUTPUT WAVE FORM TTL



INPUT CURRENT

