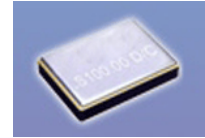


**SURFACE MOUNT CLOCK OSCILLATORS (Rohs Compliant / Lead Free)**  
**Oscillators SMD7x5mm (APO-SMD07LP Series) LVPECL**

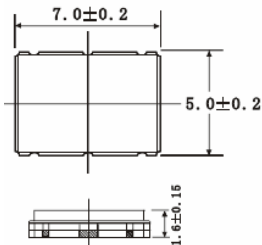


**- SPECIFICATIONS**

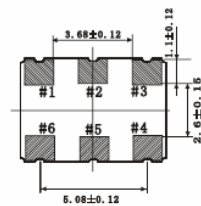
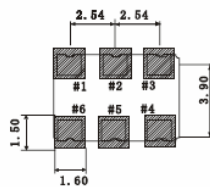
<b>FREQUENCY RANGE</b>		100MHz TO 164.335MHz	
<b>STANDARD FREQUENCY</b>		100, 106.25, 108, 125, 133, 155.52, 156.25, 161.123, 164.355MHz	
<b>FREQUENCY STABILITY</b>		±30PPM, ±50PPM	
<b>TEMPERATURE RANGE</b>	<b>OPERATING</b>	-10°C TO +70°C STANDARD	
	<b>STORAGE</b>	-40°C TO +85°C	
<b>AGING (FIRST YEAR)</b>		±5PPM	
<b>INPUT</b>	<b>VOLTAGE</b>	+3.3v ±5%, +2.5VDC ±5%	
		"0" Level: Vo1:0.3Vcc Max.	
		"1" Level: Voh: 0.7Vcc Min.	
<b>CURRENT CONSUMPTION</b>		90mA Max (60mA typ.)	
<b>OUTPUT</b>	<b>LOAD</b>	50 Ω (a terminus to VCC~2V)	
	<b>LEVEL</b>	LVPECL	
	<b>DUTY</b>	45% TO 55%	
	<b>VOLTAGE</b>	"0" Level	Vo1:1.68Vcc Max.
		"1" Level	Voh: 2.275Vcc Min.
<b>RISE/FALL TIME</b>		1nS Max. @Output Amplitude 20% ~80%	
<b>PERIOD JITTER RES</b>		5ps Max. (3ps typ.)	



**- OUTLINE DIMENSIONS**



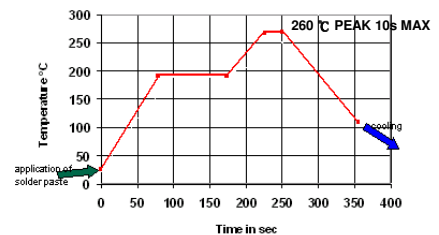
Solder pad layout



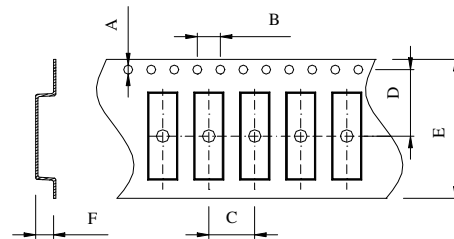
PIN NO	CONNECTION
# 1	N. C. (INH)
# 2	NC
# 3	GND
# 4	OUT
# 5	OUTN
# 6	+Vcc

Unit: mm

**- SOLDER REFLOW PROFILE**



**- CARRIER TAPE DIMENSIONS (1,000 pcs/reel)**



A	B	C	D	E	F
1.5±0.1	4.0±0.1	8.0±0.1	7.5±0.1	16.0±0.3	2.0±0.1

ORDERING CODE SYSTEM (VERSION 1.1 UPDATED MAY 2008)				EXAMPLE:
SERIES	STABILITY	FREQUENCY	INPUT VOLTAGE	APO-SMD07LPF-100-2.5
APO-SMD07LP	F: ±30PPM J: ±50PPM	IN MHZ	2.5	

NON STANDARD FREQUENCIES AND SPECIFICATIONS ARE AVAILABLE ON REQUEST

ActPro Ltd. (APX-Crystal) PROREP EDGE Meditronics PTE Ltd.	HONG KONG FRANCE SINGAPORE	Email: <a href="mailto:sales@apx-crystal.com">sales@apx-crystal.com</a> Email: <a href="mailto:sales@prorep.fr">sales@prorep.fr</a> Email: <a href="mailto:sales@edgemeditronics.com.sg">sales@edgemeditronics.com.sg</a>	Internet: <a href="http://www.apx-crystal.com">www.apx-crystal.com</a> Internet: <a href="http://www.prorep.fr">www.prorep.fr</a> Internet: <a href="http://www.edgemeditronics.com.sg">www.edgemeditronics.com.sg</a>	Tel: 852-3625 2368 Tel: 33-1-4812 1736 Tel: 65-6455 0521	Fax: 852-2633 8503 Fax: 33-1-4812 1739 Fax: 65-6455 0857
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Specifications are subject to change without notice