

Ceramic Surface Mount Crystals

High Stability Tuning Fork Crystal
 RoHS Compliant
 SMD Ceramic Package
 Miniature size
 3.2 x 1.5 mm 2 pad

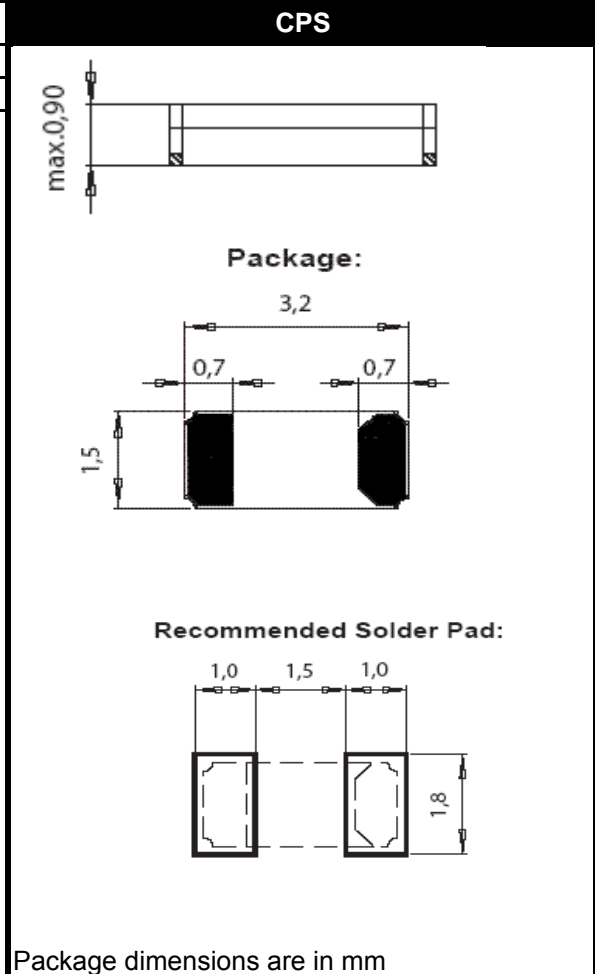
Portable devices
 Mobile products
 Telecom systems
 Industrial applications
 Systems requiring miniaturization

Part Numbering Example: CPS Z - A2 C1 70 - 32.768k D9

CPS	Z	-	A2	C1	70	-	32.768k	D9
SERIES	ADDED FEATURES	OPERATING TEMP.		TOLERANCE	RESISTANCE	FREQUENCY	LOAD CAP.	
CPS	Z = Tape & Reel	A1 = -10° to + 70° C A2 = -40° to + 85° C A3 = -55° to + 125° C		C1 = 100 PPM C5 = 20 PPM			D7 = 7.0 pF D9 = 9.0 pF D12.5 = 12.5 pF	

Specifications:

	Min	Typical	Max	Units
Frequency		32.768		kHz
Storage Temperature	-55		+ 125	° C
Operating Temp Range A1	-10		+ 70	° C
Operating Temp Range A2	-40		+ 85	° C
Operating Temp Range A3	-55		+ 125	° C
Tolerance C1			100	PPM
Tolerance C5			20	PPM
Load capacitance		7.0		pF
Load capacitance		9.0		pF
Load capacitance		12.5		pF
Series Resistance		50	70	kΩ
Drive level Max +/-			1	μW
Shunt capacitance		1.2		pF
Motional capacitance		3.7		fF
Aging Max +/- First Year			3	PPM
Reflow soldering 10 sec max			260	° C



Marking is Alphanumeric lot code



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