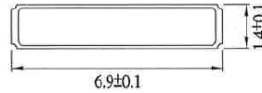
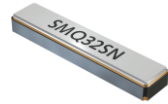


# SMQ32SN - Cross Reference



November 2012

Producer Product Name	Citizen CM130	Jauch SMQ32SN	Abracon ABS13	Fox FSXLF	SMI 124SMX	Taizhou Abel TMXLi-130	ECS ECX-71	Epson Toyocom MC-146	Seico Inst SSP-T7-F	Saronix eCera G5
Frequency tolerance @25°C	20ppm	20ppm 30ppm	10ppm 20ppm 30ppm	20ppm	20ppm 30ppm 50ppm	20ppm	20ppm	20ppm	20ppm 30ppm	20ppm
Load capacitance	12.5pF	12.5pF	12.5pF 9.0pF, 7.0pF	12.5pF 7.0pF	12.5pF 7.0pF	12.5pF	12.5pF	12.5pF 9.0pF, 7.0pF	12.5pF 7.0pF	12.5pF or specify
Shunt capacitance	1.2 pF typ.	0.8 pF typ.	1.2 pF typ.	-----	1.7 pF typ.	1.2 pF typ.	0.8 pF typ.	0.8 pF typ.	0.8 pF typ.	0.8 pF typ.
ESR ESR max	----- 65 kOhm max	----- 65 kOhm max	----- 65 kOhm max	----- 65 kOhm max	----- 65 kOhm max	----- 65 kOhm max	----- 65 kOhm max	----- 65 kOhm max	44 kOhm 65 kOhm max	----- 65 kOhm max
drive level max	----- 1.0 µW max	----- 1.0 µW max	----- 1.0 µW max	----- 1.0 µW max	0.1 µW typ 1.0 µW max	----- 1.0 µW max	0.1 µW typ 1.0 µW max	----- 1.0 µW max	0.1 µW typ 1.0 µW max	0.1 µW typ 1.0 µW max
Aging first year	< 3ppm	< 3ppm	< 3ppm	< 3ppm	< 3ppm	< 3ppm	< 3ppm	< 3ppm	< 3ppm	< 3ppm
Operating Temperature	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
Storage Temperature	-55 to +125 °C	-55 to +125 °C	-55 to +125 °C	-55 to +125 °C	-55 to +125 °C	-55 to +125 °C	-55 to +125 °C	-55 to +125 °C	-55 to +125 °C	-55 to +125 °C
Size										
L / mm	6.9 +/-0.1	6.9 +/-0.1	6.9 +/-0.1	7.0 max	7.0 max	6.9 +/-0.1	7.0 max	7.0 max	7.0 max	6.9 +/-0.1
B / mm	1.4 +/-0.1	1.4 +/-0.1	1.4 +/-0.1	1.5 max	1.5 max	1.4 +/-0.1	1.5 max	1.5 max	1.5 max	1.4 +/-0.1
H / mm	1.3 max	0.9 +/-0.1	1.3 +/-0.1	1.4 max	1.4 max	?	1.4 max	1.4 max	1.4 max	1.3 +/-0.1
Remark:	discontinued	available soon								