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MEMS Oscillators Product Portfolio

Base Part No.	Output Freq.	Frequency Stability (ppm)	Supply Volt. (V)	Supply Current (Typical)	Packages (mm x mm)	Output Logic	TMI I * Support
Ultra-Small 32 kHz Solutions XTAL Replacements							
SIT1532	32.768 kHz	10 room; 75, 100 over temp.	1.2 to 3.63	0.90 μ A	1.5x0.8x0.55H (CSP), 2.0x1.2x0.6H (QFN)	NanoDrive™ . LVCMOS	
SIT1552 TCXO	32.768 kHz	\pm 5, \pm 10, \pm 20 over temp.	1.5 to 3.63	0.99 μ A	1.5x0.8x0.55H (CSP)	NanoDrive™ . LVCMOS	
μPower Oscillators (LVCMOS) 1 to 280 μA power consumption, ultra small size							
SIT1630	32.768 kHz	20 room; 75,100,150 over temp	1.5 to 3.63	1.00 μ A	2.0x1.2x0.6H (DFN)	LVCMOS	
Low-Power Oscillators (LVCMOS) 3.1 to 5.5 mA power consumption							
SIT8008B	1 to 110MHz	\pm 20, \pm 25, \pm 50	1.8, 2.5 to 3.3	3.1 to 5.5 mA (0.6 - 1.0 μ A stby)	2.0x1.6, 2.5x2.0, 3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVCMOS	ü
SIT8009B	115.000001 to 137 MHz	\pm 20, \pm 25, \pm 50	1.8, 2.5 to 3.3	3.1 to 5.5 mA (0.6 - 1.0 μ A stby)	2.0x1.6, 2.5x2.0, 3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVCMOS	ü
Ultra-Performance Oscillators 0.3 to 0.6 ps RMS integrated phase jitter							
SIT8208	1 to 80 MHz	\pm 10, \pm 20, \pm 25, \pm 50	1.8, 2.5 to 3.3	29 to 36 mA (10 μ A stby)	2.5x2.0, 3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVCMOS	ü
SIT82089	80.000001 to 220 MHz	\pm 10, \pm 20, \pm 25, \pm 50	1.8, 2.5 to 3.3	29 to 36 mA (10 μ A stby)	2.5x2.0, 3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVCMOS	ü
SIT9120	25 to 212.5 MHz	\pm 10, \pm 20, \pm 25, \pm 50	2.5 to 3.3	54 to 69 mA	3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVPECL, LVDS	ü
SIT9121	1 to 220MHz	\pm 10, \pm 20, \pm 25, \pm 50	2.5 to 3.3	54 to 69 mA	3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVPECL, LVDS	ü
SIT9122	220.000001 to 625 MHz	\pm 10, \pm 20, \pm 25, \pm 50	2.5 to 3.3	54 to 69 mA	3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVPECL, LVDS	ü
High-Temperature Oscillators +125°C operating temperature, 0.1 ppb/g (G-sensitivity)							
SIT8918B -40 to +125°C	1 to 110MHz	\pm 20, \pm 25, \pm 30, \pm 50	1.8, 2.5 to 3.3	3.6 to 5.4 mA (1.0 μ A stby)	2.0x1.6, 2.5x2.0, 3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVCMOS	ü
SIT8919B -40 to +125°C	115.194001 to 137 MHz	\pm 20, \pm 25, \pm 30, \pm 50	1.8, 2.5 to 3.3	3.6 to 5.4 mA (1.0 μ A stby)	2.0x1.6, 2.5x2.0, 3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVCMOS	ü
SIT8920B -55 to +125°C	1 to 110 MHz	\pm 20, \pm 25, \pm 50	1.8, 2.5 to 3.3	3.1 to 5.5 mA (0.6 - 1.0 μ A stby)	2.0x1.6, 2.5x2.0, 3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVCMOS	ü
SSXO (Spread Spectrum Oscillators) \pm0.25 to \pm2% center spread, -0.5% to 4.0% down spread							
SIT9003	1 to 110 MHz	\pm 25, \pm 50, \pm 100	1.8, 2.5, 3.3	3.7 to 20 mA (0.4 to 30 μ A stby)	2.5x2.0, 3.2x2.5, 5.0x3.2, 7.0x5.0 (DFN)	LVCMOS	ü
Low Power SOT23-5 Oscillators 3.1 to 5.5 mA power consumption							
SIT2001B	1 to 110 MHz	\pm 20, \pm 25, \pm 50	1.8, 2.5 to 3.3	3.6 to 5.4 mA (1.0 μ A stby)	2.9 x 2.8 (SOT23-5)	1 x LVCMOS	ü
SIT2002B	115 to 137 MHz	\pm 20, \pm 25, \pm 50	1.8, 2.5 to 3.3	3.6 to 5.4 mA (1.0 μ A stby)	2.9 x 2.8 (SOT23-5)	1 x LVCMOS	ü
High-Temp and Automotive Clock Generators +125°C, integrated resonator, single output, low power, 0.1 ppb/g							
SIT2018B -40 to +125°C	1 to 110 MHz	\pm 20, \pm 25, \pm 30, \pm 50	1.8, 2.5 to 3.3	3.6 to 5.4 mA (1.0 μ A stby)	2.9 x 2.8 (SOT23-5)	1 x LVCMOS	ü
SIT2019B -40 to +125°C	115.194001 to 137 MHz	\pm 20, \pm 25, \pm 30, \pm 50	1.8, 2.5 to 3.3	3.6 to 5.4 mA (1.0 μ A stby)	2.9 x 2.8 (SOT23-5)	1 x LVCMOS	ü
SIT2020B -55 to +125°C	1 to 110MHz	\pm 20, \pm 25, \pm 30, \pm 50	1.8, 2.5 to 3.3	3.6 to 5.4 mA (1.0 μ A stby)	2.9 x 2.8 (SOT23-5)	1 x LVCMOS	ü
SIT2021B -55 to +125°C	119.342001 to 137 MHz	\pm 20, \pm 25, \pm 30, \pm 50	1.8, 2.5 to 3.3	3.6 to 5.4 mA (1.0 μ A stby)	2.9 x 2.8 (SOT23-5)	1 x LVCMOS	ü