

Main specifications

SG-8101 series

Model No.	SG-8101CA	SG-8101CB	SG-8101CE	SG-8101CG
Dimensions (typ.)	7.0 x 5.0 x 1.3 mm	5.0 x 3.2 x 1.1 mm	3.2 x 2.5 x 1.05 mm	2.5 x 2.0 x 0.7 mm
Output type	CMOS			
Output frequency	0.67 MHz to 170 MHz			
Power supply voltage	1.62 V to 3.63 V			
Frequency tolerance / operating temp.	±15 ppm / -40°C to +85°C		±15 ppm / -40°C to +85°C ±20 ppm, ±50 ppm / -40°C to +105°C	
Current consumption during operation	2.9 mA typ., 3.4 mA max. (output frequency: 20 MHz; supply voltage: 3.3 V ±10%) 6.7 mA typ., 7.6 mA max. (output frequency: 170 MHz; supply voltage: 3.3 V ±10%)			
Standby current	0.3 µA typ., 0.8 µA max. (at a supply voltage of 1.8 V ±10%)			
Programming tool	SG-Writer II (free software update required)			

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Model No.	SG-9101CA	SG-9101CB	SG-9101CE	SG-9101CG
Dimensions (typ.)	7.0 x 5.0 x 1.3 mm	5.0 x 3.2 x 1.1 mm	3.2 x 2.5 x 1.05 mm	2.5 x 2.0 x 0.7 mm
Output type	CMOS			
Output frequency	0.67 MHz to 170 MHz			
Power supply voltage	1.62 V to 3.63 V			
Features	Spread spectrum (center spread / down spread)			
Operating temperature range	-40°C to +85°C		-40°C to +105°C	
Current consumption during operation	3.1 mA typ., 3.6 mA max. (output frequency: 20 MHz; supply voltage: 3.3 V ±10%) 7.0 mA typ., 7.8 mA max. (output frequency: 170 MHz; supply voltage: 3.3 V ±10%)			
Standby current	0.3 µA typ., 0.8 µA max. (at a supply voltage of 1.8 V +/- 10%)			
Programming tool	SG-Writer II (free software update required)			