

# Sine-to-Square Wave Clock Converter

## LCC-100

### Key Features

- Input frequency: 10 kHz to 5 GHz
- Sharp sine-to-square wave conversion
- Low jitter

### Applications

- Versatile & Low-Jitter Clock Generation
- Synchronization



Category	Parameters	Specification			
		Min	Typ	Max	Unit
Input Parameters	Clock Shape	Sine wave			
	Input Clock Level	300		550	mVpp
	Frequency Repetition Rate	0.01		5000	MHz
Output Parameters	Electrical Coupling	AC			
	Rise/Fall Time	Depends on signal frequency			
	Additive Timing Jitter	Depends on signal frequency			
	Output Amplitude (Single Ended) <sup>(3)</sup>	350	500		mVpp
	Input/Output Impedance				50 Ohm
	Input/Output Connector	Advanced SMA			
	Power Supply	AC 100~240 (50/60 Hz)			Vac
	Recommended Operating Conditions	Operating Temperature			
	Storage Temperature				0 to +60 °C
Physical	Dimension (WxHxD)	140 x 65 x 240			mm
	Weight	3			kg

Note: Clock conversion at a higher repetition rate gives a sharper square wave and less jitter.

### Order Instruction

Model LCC-100

