

Technical description

27MHz RC CAR TRANSMITTER MODEL NO:26640 .

Transmitter includes micro-controller and RF sections placed on one single layer PCBA.

Micro-controller SUNPLUS SPC81A has 4MHz RC internal clock in it.

Chip is activated by motion switch and applies power for RF section, and plays back the music. If no signal is detected from motion switch during 0.3 sec, the music stops playing and chip cuts power from RF section off.

RF section includes 27.145MHz crystal oscillator, 1KHz square wave RC oscillator for modulation signal, modulator and RF antenna.

RF section starts working immediately after micro-controller provides power for RF section. 27MHz carrier signal is modulated by amplitude by 1KHz regular square wave signal.

Bent wire antenna is connected to the output of RF section permanently and placed inside the unit housing.

HOUSING AND CHASSIS TYPE	PLASTIC
CARRIER FREQUENCY	27.145MHz
MODULATION FREQUENCY	1KHz
TYPE OF MODULATION	AMPLITUDE
TRANSMITTING TYPE	CONTINUOUS
NO. OF LAYER	1
LOCAL OSCILLATOR	27.145MHz
	4MHz RC CHIP INTERNAL
	CLOCK
	1KHz RC ON-BOARD CLOCK
ANTENNA	PERMANENT ATTACHED
	INTERNAL