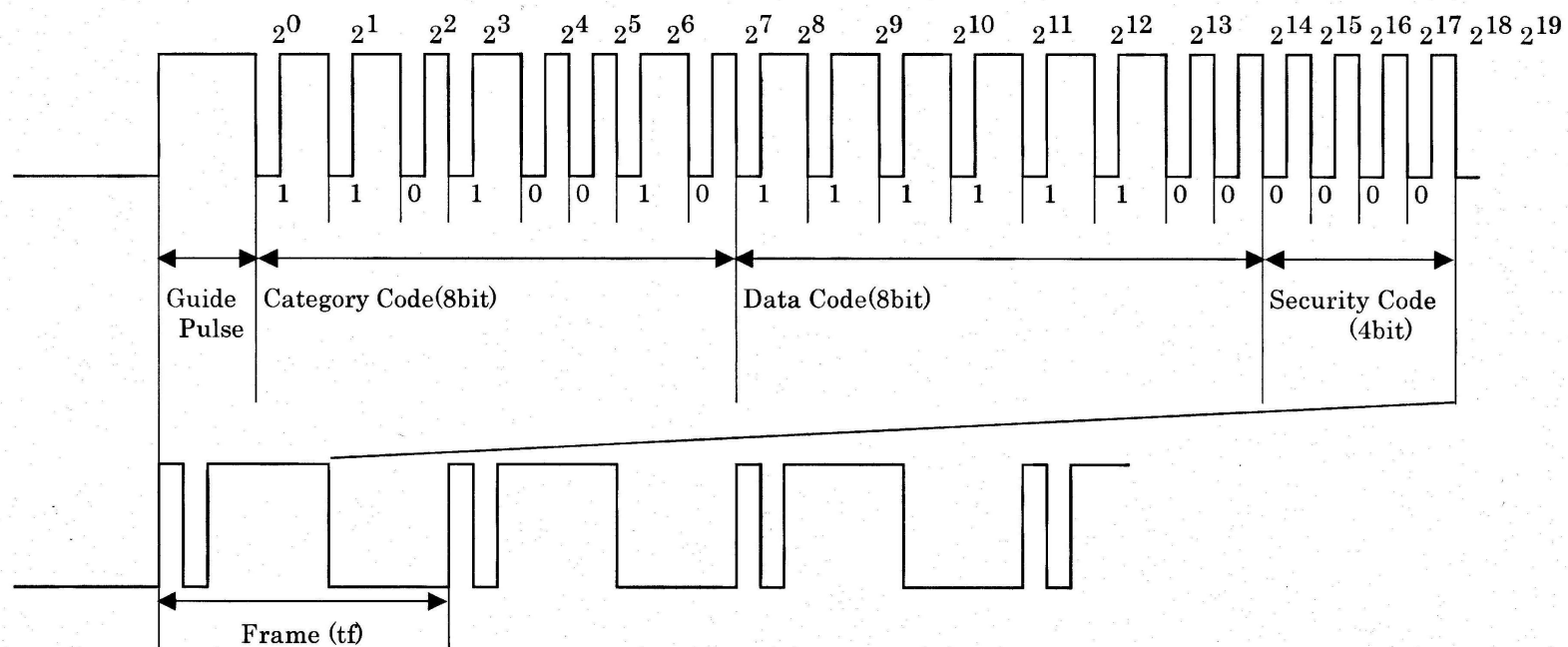


SPECIFICATIONS	FCC CONFIDENTIAL	FCC ID:L73RM-Y808
Notes Unless otherwise specified. Power supply voltage is DC3.0V, regulated. 1. Equipment Remote control transmitter 2. Intended use For remote control of the Audio/Visual equipment's (e.g. SAT TUNER,TV,VCR,MDP). 3.Trade name SONY 4.Model No. RM-Y808 5. FCC Identifier L73RM-Y808 6. Carrier frequency f0 315.625 to 316.425MHz 7. Type of emission F1D (FSK) 8. Frequency deviation $f_0 \pm 50\text{kHz}$ or less. 9. Occupied band width $f_0 \pm 100\text{kHz}$ or less. 10. Radiated RF power (field strength intensity) 75dBμV/m@3m or less. 11. Spurious radiation. Complies with Part 15 of the FCC Rules. 12. Antenna Internal monopole antenna, nominal impedance is 50ohms unbalanced. 13. Power supply 2pcs of size "AA" alkaline manganese dry cells, nominal voltage is 3.0V. 14. Operative voltage range of power supply 3.2V to 2.4V 15. Temperature range(under operation) 0 °C to 50 °C 16. Humidity range(under operation) 85%RH or less. 17. Transmitting period As long as button pressed. (It should quit transmission as soon as all the buttons are released.)		

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18. Power consumption -1. During transmission 100mA or less. -2. Stand-by status 10μA or less. 19. Schema Refer to [fig 1] for the block diagram of the transmitter. -1. Logic section Logic section is composed of IC1(microcomputer unit) and the other peripheral/miscellaneous circuits. [fig 2] shows the circuit diagram. logic section works: *scanning the key-board matrix(including a control lever , mode selectors),and *encoding into some appropriate serial code according to the button pressed , and *driving the RF section , infrared LED , visible LED's , etc. -2. RF section RF section generates the radio frequency signal , including a serial code composed at the logic section , and transmits through the internal monopole antenna. RF section is composed of: *frequency modulator(variable reactance, VC1),and *SAW (Surface Acoustic Wave) resonator controlled oscillator (SAW1,Q2),and *buffer amplifier(Q3),and *band-pass and low-pass filters to suppress the spurious emission(L2 through L6),and *voltage regulator(LED1) and transmission control switch(Q1) 20. Serial code format Refer to [fig 4] for example of baseband format of transmitted serial code. Due to the button pressed, actual serial code format could be slightly different from this shown example. Transmitted radio frequency(RF) carrier shifts higher upon H level of baseband code , and shifts lower upon L level of it. 21. Operation principle of RF Remote controller. For the SAT function, it should transmit the RF control signals simultaneously with the Infrared (IR) signal transmission. The purpose of RF remote control function is to control from the distance that the IR signal can't reach, and /or to control through the objects.(e.g. walls, partitions etc.) 22. Applied rules and regulations The United States, FCC part 15.		



(1) Guide Pulse → (2) Category Code → (3) Data Code → (4) Security Code

Bits are transmitted following the Guide pulse. ($2^0 \sim 2^{19}$)

FCC ID:L73RM-Y808

TRANSMITTER REMOCON	fig 4	Serial code format	SHEET No. 1/1
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