

APPENDIX J
: OPERATIONAL DESCRIPTION

Operational Description

- This document specifies a RF Transmitter for OHSUNG Remote Controller
- Tx Frequency Range : 418MHz $\pm$ 1MHz
- Tx Output power Level : 10dBm
- Device Description

Name	Description	Circuit No	Block
CAPACITOR	0.1uF	C1,C2,C5,C12	Power
CAPACITOR	3.9pF	C13	RF Oscillator
CAPACITOR	5pF	C7	RF AMP
CAPACITOR	1.8pF	C10	RF Oscillator
CAPACITOR	22pF	C11	RF Oscillator
CAPACITOR	8pF	C9	ANT Matching
RESISTOR	15k Ω	R7	RF Oscillator
RESISTOR	2.2k Ω	R8	RF AMP
RESISTOR	33 Ω	R11	RF Oscillator
RESISTOR	43 Ω	R1	RF AMP
RESISTOR	10 Ω	R2	RF Oscillator
TRANSISTOR	BFQ67W	Q1,Q3	RF Oscillator/RF AMP
SAW RESONATOR	R41801S	X1	RF Oscillator
EMIFIL	BLM11A102S	L1	Power
INDUCTOR	18nH	L6	ANT Matching
INDUCTOR	33nH	L4	RF Oscillator
INDUCTOR	15nH	L5	ANT Matching
INDUCTOR	47nH	L8	RF AMP