

Bill of Materials

Reference Circuit "SR-MNM1221-DP3"

| Reference | Part Code | Value | Tolerance | Voltage | Watt | Manufacturer |
|-----------|--------------------|----------|-----------|---------|-------|--------------|
| C1 | GR442QR73D102KW01L | 1000 p | +/- 10% | 2000 | | Murata |
| C2 | 0402B104K160CT | 0.1 u | +/- 10% | 16 | | Walsin |
| C3 | 0402B104K160CT | 0.1 u | +/- 10% | 16 | | Walsin |
| C4 | 0402B104K160CT | 0.1 u | +/- 10% | 16 | | Walsin |
| C5 | 0402B104K160CT | 0.1 u | +/- 10% | 16 | | Walsin |
| C6 | 0402B103K160CT | 0.01 u | +/- 10% | 16 | | Walsin |
| C7 | GRM21BB31C106KE15L | 10 u | +/- 10% | 16 | | Murata |
| C8 | 0402B104K160CT | 0.1 u | +/- 10% | 16 | | Walsin |
| C9 | 0402B103K160CT | 0.01 u | +/- 10% | 16 | | Walsin |
| C10 | GRM21BB31C106KE15L | 10 u | +/- 10% | 16 | | Murata |
| C11 | 0402B104K160CT | 0.1 u | +/- 10% | 16 | | Walsin |
| C12 | 0402B103K160CT | 0.01 u | +/- 10% | 16 | | Walsin |
| C13 | 0402B102K500CT | 1000 p | +/- 10% | 50 | | Walsin |
| C14 | 0402B102K500CT | 1000 p | +/- 10% | 50 | | Walsin |
| C15 | 0402B104K160CT | 0.1u | +/- 10% | 16 | | Walsin |
| C16 | 0402B104K160CT | 0.1u | +/- 10% | 16 | | Walsin |
| C17 | 0402B104K160CT | 0.1u | +/- 10% | 16 | | Walsin |
| C18 | 0402B104K160CT | 0.1u | +/- 10% | 16 | | Walsin |
| C20 | 0402B104K160CT | 0.1u | +/- 10% | 16 | | Walsin |
| C21 | 0402B104K160CT | 0.1u | +/- 10% | 16 | | Walsin |
| C22 | 0402B104K160CT | 0.1u | +/- 10% | 16 | | Walsin |
| C23 | 0402B102K500CT | 1000 p | +/- 10% | 50 | | Walsin |
| R1 | SR08X750_JTL | 75 | +/- 5% | | 0.125 | Walsin |
| R2 | SR08X750_JTL | 75 | +/- 5% | | 0.125 | Walsin |
| R3 | SR08X750_JTL | 75 | +/- 5% | | 0.125 | Walsin |
| R4 | SR08X750_JTL | 75 | +/- 5% | | 0.125 | Walsin |
| R5 | SR08X750_JTL | 75 | +/- 5% | | 0.125 | Walsin |
| R6 | SR08X750_JTL | 75 | +/- 5% | | 0.125 | Walsin |
| R7 | SR08X750_JTL | 75 | +/- 5% | | 0.125 | Walsin |
| R8 | SR08X750_JTL | 75 | +/- 5% | | 0.125 | Walsin |
| R9 | SR04X49R9FTL | 49.9 | +/- 1% | | 0.1 | Walsin |
| R10 | SR04X49R9FTL | 49.9 | +/- 1% | | 0.1 | Walsin |
| R11 | SR04X49R9FTL | 49.9 | +/- 1% | | 0.1 | Walsin |
| R12 | SR04X49R9FTL | 49.9 | +/- 1% | | 0.1 | Walsin |
| R13 | SR04X330_JTL | 33 | +/- 5% | | 0.1 | Walsin |
| R14 | SR04X391_JTL | 390 | +/- 5% | | 0.1 | Walsin |
| R15 | SR04X103_JTL | 10 k | +/- 5% | | 0.1 | Walsin |
| R16 | SR04X4871FTL | 4.87 k | +/- 1% | | 0.1 | Walsin |
| R17 | SR04X330_JTL | 33 | +/- 5% | | 0.1 | Walsin |
| R18 | SR04X330_JTL | 33 | +/- 5% | | 0.1 | Walsin |
| R19 | SR04X102_JTL | 1 k | +/- 5% | | 0.1 | Walsin |
| R20 | SR04X103_JTL | 10 k | +/- 5% | | 0.1 | Walsin |
| R21 | SR04X103_JTL | 10 k | +/- 5% | | 0.1 | Walsin |
| R22 | SR04X103_JTL | 10 k | +/- 5% | | 0.1 | Walsin |
| R23 | SR04X103_JTL | 10 k | +/- 5% | | 0.1 | Walsin |
| R24 | SR04X5601FTL | 5.6 k | +/- 1% | | 0.1 | Walsin |
| R25 | SR04X1201FTL | 1.2 k | +/- 1% | | 0.1 | Walsin |
| R26 | SR04X103_JTL | 10 k | +/- 5% | | 0.1 | Walsin |
| R27 | SR04X103_JTL | 10 k | +/- 5% | | 0.1 | Walsin |
| R28 | SR04X222_JTL | 2.2 k | +/- 5% | | 0.1 | Walsin |
| R29 | SR04X102_JTL | 1 k | +/- 5% | | 0.1 | Walsin |
| R30 | SR04X101_JTL | 100 | +/- 5% | | 0.1 | Walsin |
| R31 | SR04X101_JTL | 100 | +/- 5% | | 0.1 | Walsin |
| TR1 | TS8121CM HF | | | | | Bothhand |
| IC1 | DP83822IRHBR | | | | | TI |
| IC2 | MNM1221 | | | | | Panasonic |
| X1 | DSO211SXFAB 25MHz | 25.000 M | +/- 50ppm | | | Daishinku |
| LED1 | SML-D12M1WT86 | | | | | Rohm |
| CN1 | 85505-5113 | | | | | Molex |
| CN2 | 85505-5113 | | | | | Molex |