

VT15 PA

Created/Date: BL/070216
 QC/Apvd/Date: BL/070313
 Rev By/Date: BL/070313
 Rev Level: A

Advanced Microwave Products

Verdi, NV 89439
 VT15LS Power Amplifier
 Base BOM

| Item | Reference Designator | P/N | Desc | Manufacturer | Qty |
|------|--------------------------------------|-----------------|---|--------------|-----|
| 1 | PCB1 | VT15LS PA Rev-A | PCB, VT15LS PA, Rev-A.. | LANmark | 1 |
| 2 | R1,9,11 | MCR03J180 | Res, 0603, 18 ohm, 5% | Rohm | 3 |
| 3 | R2,3,8 | MCR03J222 | Res, 0603, 2.2k ohm, 5% | Rohm | 3 |
| 4 | R4,5 | MCR03J471 | Res, 0603, 470 ohm, 5% | Rohm | 2 |
| 5 | R7 | MCR18J151 | Res, 1206, 150 ohm, 5% | Rohm | 1 |
| 6 | R22 | MCR03J104 | Res, 0603, 100k ohm, 5% | Rohm | 1 |
| 7 | R10,28,31 | MCR03J560 | Res, 0603, 56 ohm, 5% | Rohm | 3 |
| 8 | C1,8,11,16,36,37 | C0603C103M3RAC | Cap, 0603, Ceramic, 10 nF, 20%, 25V, X7R.. | Kemet | 6 |
| 9 | C2,5,7,10,15,18,19,24,28,30,35,39,40 | C0603C150J5GAC | Cap, 0603, Ceramic, 15 pF, 5%, 50V, NPO.. | Kemet | 13 |
| 10 | C3,6 | C0603C104M3RAC | Cap, 0603, Ceramic, 100 nF, 20%, 25V, X7R.. | Kemet | 2 |
| 11 | C4,9,17,38 | T491A106M016 | Cap, A-Case, Tant, 10uF, 16V, 20% | Kemet | 4 |
| 12 | C12,34 | 278M6301106K | Cap, 0805, Tant, 10uF, 6.3V, 10%, Matsuo | Matsuo | 2 |
| 13 | C29,31-33 | EMK107BJ105KA | Cap, 0603, Ceramic, 1 uF, 10%, 16V, X5R | Taiyo Yuden | 4 |
| 14 | L1 | ELJRER10JF2 | Ind, 0603, 100nH, 5% | Panasonic | 1 |
| 15 | FB1 | BLM21P331SN1B | Ferrite Bead, 0805, 330 Ohm, 1.5A, Murata | Murata | 1 |
| 16 | Q1 | AT-42035 | Transistor, NPN, RF, 6 GHz, Micro-X, Agilent.. | Agilent | 1 |
| 17 | U1 | MIC5213-5.0BC5 | IC, Regulator, LDO, 5.0V, 80mA, SC-70, Micrel.. | Micrel | 1 |
| 18 | U3 | MAX881REUB | IC, Neg. Generator, -4V, 10-uMAX, MAXIM | MAXIM | 1 |
| 19 | J1 | A-1JA-CR | Connector, Coax, RF, 3mm SMT, Amphenol | Amphenol | 1 |