

150MHz/400MHz/800MHz BAND FOR FM PORTABLE RADIO APPLICATIONS

| Type No. | Application | Max. ratings | | | | P_O (min) | | | | | | | η_T (%) | 2nd Harm (min) (dBc) | ρ_{in} (max) (-) |
|-----------|---------------------|--------------------|-----------------|-------------------|-----|-------------|------|-----------------|-----------------|-----------------|--------------|----|-----------------|-------------------------------|-----------------------------|
| | | V_{CC} (V) | V_{BB} (V) | $T_{C(OPT)}$ (°C) | | f (MHz) | | V_{CC} (V) | V_{BB} (V) | P_{in} (W) | P_O (W) | | | | |
| | | | | min | max | min | max | | | | | | | | |
| M67798LA | 144-148MHz, 5W, FM | 16 | 4 | -30 | 100 | 144 | 148 | 9.6 | 3.5 | 20m | 8 | 53 | -20 | 3 | |
| M67798LRA | 144-148MHz, 5W, FM | 16 | 4 | -30 | 100 | 144 | 148 | 9.6 | 3.5 | 20m | 8 | 53 | -20 | 3 | |
| M68712N | 142-163MHz, 1W, FM | 9 | 4 | -30 | 100 | 142 | 163 | 6 | 3.5 | 20m | 2 | 45 | -20 | 3 | |
| M68739 | 154-162MHz, 5W, FM | 16 | 4 | -30 | 100 | 154 | 162 | 9.6 | 3.5 | 20m | 7 | 50 | -20 | 3 | |
| M68739R | | 16 | 4 | -30 | 100 | 154 | 162 | 9.6 | 3.5 | 20m | 7 | 50 | -20 | 3 | |
| M67799LA | 400-430MHz, 5W, FM | 16 | 4 | -30 | 100 | 400 | 430 | 9.6 | 3.5 | 20m | 7.5 | 43 | -25 | 4 | |
| M67799MA | 430-450MHz, 5W, FM | 16 | 4 | -30 | 100 | 430 | 450 | 9.6 | 3.5 | 20m | 7.5 | 43 | -25 | 4 | |
| M67799HA | 450-470MHz, 5W, FM | 16 | 4 | -30 | 100 | 450 | 470 | 9.6 | 3.5 | 20m | 7.5 | 43 | -25 | 4 | |
| M67799UHA | 470-490MHz, 5W, FM | 16 | 4 | -30 | 100 | 470 | 490 | 9.6 | 3.5 | 20m | 7 | 43 | -25 | 4 | |
| M67799SHA | 490-512MHz, 5W, FM | 16 | 4 | -30 | 100 | 490 | 512 | 9.6 | 3.5 | 20m | 7 | 40 | -25 | 4 | |
| M68710SL | 350-380MHz, 1W, FM | 9 | 4 | -30 | 100 | 350 | 380 | 6 | 3.5 | 20m | 2 | 40 | -25 | 4 | |
| M68710UL | 380-400MHz, 1W, FM | 9 | 4 | -30 | 100 | 380 | 400 | 6 | 3.5 | 20m | 2 | 40 | -25 | 4 | |
| M68710L | 400-430MHz, 1W, FM | 9 | 4 | -30 | 100 | 400 | 430 | 6 | 3.5 | 20m | 2 | 40 | -25 | 4 | |
| M68710H | 450-470MHz, 1W, FM | 9 | 4 | -30 | 100 | 450 | 470 | 6 | 3.5 | 20m | 2 | 40 | -25 | 4 | |
| M67743L | 68-81MHz, 5W, FM | 15 | 5.5 | -30 | 100 | 68 | 81 | 12.5 | 5 | 30m | 7 | 38 | -18 | 4 | |
| M67743H | 77-88MHz, 5W, FM | 15 | 5.5 | -30 | 100 | 77 | 88 | 12.5 | 5 | 30m | 7 | 38 | -18 | 4 | |
| M68731N | 142-163MHz, 5W, FM | 9 | 4 | -30 | 100 | 142 | 163 | 7.2 | 3.5 | 50m | 7 | 45 | -20 | 4 | |
| M68731L | 135-155MHz, 5W, FM | 9 | 4 | -30 | 100 | 135 | 155 | 7.2 | 3.5 | 50m | 7 | 50 | -20 | 4 | |
| M68731H | 150-175MHz, 5W, FM | 9 | 4 | -30 | 100 | 150 | 175 | 7.2 | 3.5 | 50m | 7 | 50 | -20 | 4 | |
| M67755L | 135-150MHz, 5W, FM | 9 | 5.5 | -30 | 100 | 135 | 150 | 7.2 | 5 | 2m | 7 | 40 | -25 | 3.5 | |
| M67755H | 150-175MHz, 5W, FM | 9 | 5.5 | -30 | 100 | 150 | 175 | 7.2 | 5 | 2m | 7 | 40 | -25 | 2.5 | |
| M57732L | 135-160MHz, 5W, FM | 16 | 6 | -30 | 100 | 135 | 160 | 12.5 | 5 | 20m | 7 | 40 | -20 | 2.5 | |
| M57732 | 144-175MHz, 5W, FM | 16 | 6 | -30 | 100 | 144 | 175 | 12.5 | 5 | 20m | 7 | 40 | -20 | 2.5 | |
| M67748L | 135-175MHz, 5W, FM | 15 | 5.5 | -30 | 100 | 135 | 150 | 12.5 | 5 | 20m | 7 | 45 | -20 | 2.5 | |
| M67748LR | | 15 | 5.5 | -30 | 100 | 135 | 150 | 12.5 | 5 | 20m | 7 | 45 | -20 | 2.5 | |
| M67748H | | 15 | 5.5 | -30 | 100 | 150 | 175 | 12.5 | 5 | 20m | 7 | 40 | -20 | 2.5 | |
| M67748HR | | 15 | 5.5 | -30 | 100 | 150 | 175 | 12.5 | 5 | 20m | 7 | 45 | -20 | 2.5 | |
| M67785 | | 186-200MHz, 3W, FM | 13 | 5.5 | -30 | 100 | 186 | 200 | 9.6 | 5 | 20m | 5 | 40 | -20 | 2.5 |
| M67785H | 220-240MHz, 3W, FM | 13 | 5.5 | -30 | 100 | 220 | 240 | 9.6 | 5 | 20m | 5 | 40 | -20 | 2.5 | |
| M67713 | 220-225MHz, 5W, FM | 16 | 6 | -30 | 100 | 220 | 225 | 12.5 | 5 | 400m | 7 | 45 | -25 | 2.5 | |
| M67723 | 220-225MHz, 5W, FM | 16 | 6 | -30 | 100 | 220 | 225 | 12.5 | 5 | 20m | 7 | 45 | -20 | 2.5 | |
| M68732SL | 330-380MHz, 5W, FM | 9 | 4 | -30 | 100 | 330 | 380 | 7.2 | 3.5 | 50m | 7 | 45 | -25 | 4 | |
| M68732UL | 380-400MHz, 5W, FM | 9 | 4 | -30 | 100 | 380 | 400 | 7.2 | 3.5 | 50m | 7 | 45 | -25 | 4 | |
| M68732L | 400-430MHz, 5W, FM | 9 | 4 | -30 | 100 | 400 | 430 | 7.2 | 3.5 | 50m | 7 | 45 | -25 | 4 | |
| M68732H | 450-470MHz, 5W, FM | 9 | 4 | -30 | 100 | 450 | 470 | 7.2 | 3.5 | 50m | 7 | 43 | -25 | 4 | |
| M68732UH | 470-490MHz, 5W, FM | 9 | 4 | -30 | 100 | 470 | 490 | 7.2 | 3.5 | 50m | 7 | 40 | -25 | 4 | |
| M68732SH | 490-512MHz, 5W, FM | 9 | 4 | -30 | 100 | 490 | 512 | 7.2 | 3.5 | 50m | 7 | 40 | -25 | 4 | |
| M57721L | 350-512MHz, 5W, FM | 16 | 6 | -30 | 100 | 350 | 400 | 12.5 | 5 | 10m | 7 | 40 | -30 | 2.5 | |
| M57721M | | 16 | 6 | -30 | 100 | 400 | 450 | 12.5 | 5 | 10m | 7 | 40 | -30 | 2.5 | |
| M57721 | | 16 | 6 | -30 | 100 | 450 | 512 | 12.5 | 5 | 10m | 7 | 40 | -30 | 2.5 | |
| M67749GL | 326-450MHz, 5W, FM | 15 | 5.5 | -30 | 100 | 326 | 346 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749EL | | 15 | 5.5 | -30 | 100 | 335 | 360 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749SL | | 15 | 5.5 | -30 | 100 | 350 | 370 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749SLR | | 16 | 5.5 | -30 | 100 | 335 | 360 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749ULR | | 16 | 5.5 | -30 | 100 | 360 | 390 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749L | | 15 | 5.5 | -30 | 100 | 400 | 430 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749LR | | 15 | 5.5 | -30 | 100 | 400 | 430 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749M | | 15 | 5.5 | -30 | 100 | 430 | 450 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749MR | | 15 | 5.5 | -30 | 100 | 430 | 450 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749H | | 430-520MHz, 5W, FM | 15 | 5.5 | -30 | 100 | 440 | 470 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 |
| M67749HR | 15 | | 5.5 | -30 | 100 | 440 | 470 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749UHR | 15 | | 5.5 | -30 | 100 | 470 | 490 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M67749SHR | 15 | | 5.5 | -30 | 100 | 490 | 520 | 12.5 | 5 | 20m | 7 | 35 | -25 | 2.5 | |
| M68711 | 889-915MHz, 2W, FM | 12 | 5.5 | -30 | 100 | 889 | 915 | 9.3 | 5 | 1m | 3.8 | 30 | -30 | 3 | |
| M67706 | 806-870MHz, 2W, FM | 10 | - | -30 | 100 | 806 | 870 | 7.5 | - | 100m | 4 | 30 | -30 | 4 | |
| M67706U | 896-941MHz, 2W, FM | 9 | - | -30 | 100 | 896 | 941 | 7.5 | - | 100m | 4 | 30 | -30 | 4 | |
| M67776L | 806-870MHz, 3W, FM | 9.2 | - | -30 | 100 | 806 | 870 | 7.2 | - | 1m | 5 | 30 | -30 | 3 | |
| M67776H | 896-941MHz, 3W, FM | 9.2 | - | -30 | 100 | 896 | 941 | 7.2 | - | 1m | 5 | 30 | -30 | 3 | |
| M68741 | 889-915MHz, 2W, FM | 9.2 | 5.5 | -30 | 100 | 889 | 915 | 7.2 | 5 | 1m | 3.8 | 30 | -30 | 4 | |
| M67796 | 1.24-1.3GHz, 1W, FM | 15 | 6 | -30 | 100 | 1240 | 1300 | 7.2 | 5 | 10m | 1.4 | 25 | -28 | 3.5 | |

HIGH FREQUENCY
DEVICES