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PRODUCT GUIDE
Antennas

Broad Selection of Ready-to-Ship Antennas

Fairview Microwave offers a wide selection of RF antennas to address many applications covering frequencies ranging from 100 MHz to 220 GHz.

Fairview's suite of antennas includes a vast selection of waveguide antennas that include broadband and standard gain horns, lens horns, conical horns, omni-directional waveguide antennas. These antennas can be combined with a wide selection of waveguide-to-coax adapters, or they can be directly mounted to waveguides. Typical applications for these waveguide antennas include test & measurement, R&D, defense/aerospace and more.

Our ISM and cellular RF antenna options include indoor, outdoor, portable, and vehicular antennas. We offer both omni directional and directional antennas with a wide selection of gain options and beam widths. These antennas can be deployed in a variety of applications including WLAN, Wi-Fi, Public Safety, Land Mobile Radio ,RFID, GPS, LPWAN/IoT, and LTE Cellular networks.

Our RF antennas can be viewed online at www.fairviewmicrowave.com and include real-time inventory, pricing as well as detailed datasheets that include CAD drawings and performance graphs. Application engineers are standing by to answer any of your technical questions and can assist with selecting the right product for your application.

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Directional Antennas
















Dipole Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FMANED1000 	138 - 174	1.8:1	4.1	Vertical
FMANED1001 	138 - 174	1.8:1	4.6	Vertical
FMANED1002 	138 - 174	1.8:1	7	Vertical
FMANED1003 	138 - 174	1.8:1	7.6	Vertical
FMANED1004 	380 - 470	1.5:1	4.1	Vertical
FMANED1005 	380 - 470	1.5:1	4.6	Vertical
FMANED1006 	380 - 470	1.5:1	7	Vertical
FMANED1007 	380 - 470	1.5:1	7.6	Vertical
FMANED1008 	406 - 512	1.8:1	4.1	Vertical
FMANED1009 	406 - 512	1.8:1	4.6	Vertical
FMANED1010 	406 - 512	1.8:1	7	Vertical
FMANED1011 	406 - 512	1.8:1	7.6	Vertical

















Flat Panel Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FMANFP1028 	902 - 928	1.3:1	1	RHCP
FMANFP1026 	902 - 928	1.3:1	5	RHCP

















Flat Panel Antennas Continued

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FMANFP1031 	902 - 928	1.3:1	6	RHCP
FMANFP1027 	902 - 928	1.3:1	9	RHCP
FMANFP1030 	902 - 928	1.3:1	9	RHCP
FMANFP1033 	902 - 928	1.3:1	9	RHCP
FMANFP1021 	902 - 928	1.3:1	12	RHCP
FMANFP1029 	902 - 928	1.3:1	12	RHCP
FMANFP1034 	902 - 928	1.3:1	12	RHCP
FMANFP1032 	902 - 928	1.4:1	8.5	RHCP
FMANFP1023 	902 - 928	1.5:1	1.5	RHCP
FMANFP1024 	902 - 928	1.5:1	3	RHCP
FMANFP1025 	902 - 928	1.5:1	5	RHCP
FMANFP1022 	902 - 928	1.5:1	0	RHCP
FMANFP1036 	2,400 - 2,500	1.5:1	8	RHCP
FMANFP1035 	2,400 - 2,500	1.5:1	12	RHCP
FMANFP1020 	2,400 - 2,500	1.5:1	18	RHCP



Log Periodic Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FMANLP1004 	600 - 960, 1,710 - 2,700	2.5:1	7 / 9	Vertical and Horizontal
FMANLP1003 	617 - 698, 698 - 960	2:1	1 / 10	Vertical
FM51LP1001 	698 - 960, 1,710 - 2,500	1.6:1	1 / 10	Vertical or Horizontal
FMANLP1012 	698 - 960, 1,710 - 2,700	2:1	1 / 11	Vertical
FMANLP1013 	698 - 960, 1,710 - 2,700	2:1	1 / 11	Vertical
FMANLP1014 	698 - 960, 1,710 - 2,700	2:1	1 / 11	Vertical
FMANLP1015 	698 - 960, 1,710 - 2,700	2:1	1 / 11	Vertical
FMANLP1006 	790 - 960, 1,710 - 2,170	1.7:1	1 / 10.5	Vertical
FMANLP1007 	806 - 960, 1,710 - 2,500	1.5:1	9 / 9	Vertical
FMANLP1016 	806 - 960, 1,710 - 2,700	2:1	9 / 10	Vertical
FMANLP1008 	1,920 - 2,170	1.5:1	1	Vertical
FMANLP1009 	2,300 - 2,500	1.5:1	1	Vertical
FM51LP1002 	2,400 - 6,500	1.5:1	8	Vertical
FMANLP1010 	3,400 - 3,600	1.5:1	14	Vertical
FMANLP1005 	5,150 - 5,875	1.7:1	15	Vertical and Horizontal
FMANLP1011 	5,725 - 5,850	1.5:1	16	Vertical













Panel Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51243 	617 - 960, 1,695 - 2,700	1.7:1	6.5 / 7	45 Deg. Slant
FM51244 	617 - 960, 1,695 - 2,700	1.7:1	6.5 / 7	45 Deg. Slant
FM51FP1012 	617 - 698, 698 - 960	2:1	5.5 / 6	±45 Deg. Slant
FM51245 	698 - 960, 1,710 - 2,700	1.8:1	6 / 6.5	Vertical/Horizontal
FM51246 	698 - 960, 1,710 - 2,700	1.8:1	6 / 6.5	Vertical/Horizontal
FM51FP1013 	698 - 806, 806 - 960	1.8:1	5 / 6	Vertical
FM51229 	698 - 806, 806 - 960	2:1	5 / 6	Vertical/Horizontal
FM51FP1014 	698 - 806, 806 - 960	2:1	5 / 6	Vertical/Horizontal
FM51FP1006 	824 - 960	1.8:1	9	Vertical or Horizontal
FM51FP1005-1 	902 - 928	1.5:1	8	Vertical or Horizontal
FM51FP1005-2 	902 - 928	1.5:1	8	Vertical or Horizontal
FM51FP1005-3 	902 - 928	1.5:1	8	Vertical or Horizontal
FM51FP1005 	902 - 928	1.5:1	8	Vertical or Horizontal
FM51FP1007 	902 - 928	1.5:1	8	LHCP
FM51FP1002 	2,400 - 2,500, 4,900 - 5,850	2:1	9 / 10	Vertical/Horizontal
FM51FP1004 	2,400 - 2,500, 4,900 - 5,850	2:1	14 / 14	Vertical/Horizontal


Panel Antennas Continued

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51FP1001 	2,400 - 2,500, 4,900 - 5,850		8 / 10	Vertical/Horizontal
FM51FP1010 	4,900 - 5,850, - 5,850	1.5:1	23 / 23	Vertical or Horizontal

Fixed Antennas












FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FMANYG1000 	144 - 148, 300 - 450	1.5:1	9.5 / 11.5	Vertical
FM51YA1015 	400 - 435, 435 - 470	1.7:1	1 / 10.5	Linear
FM51YA1019 	880 - 928, 928 - 960	1.5:1	7 / 7.5	Linear
FM51YA1018 	880 - 928, 928 - 960	1.5:1	9 / 9.5	Linear
FM51YA1017 	880 - 928, 928 - 960	1.5:1	11 / 11.5	Linear
FM51YA1016 	880 - 928, 928 - 960	1.5:1	13 / 13	Linear
FM51YA1012 	890 - 960	1.5:1	9	Vertical or Horizontal
FM51YA1004 	2,400 - 2,483	1.5:1	12	Vertical
FM51YA1001 	2,400 - 2,500	1.5:1	9	Vertical or Horizontal
FM51YA1002 	2,400 - 2,500	1.5:1	12	Vertical or Horizontal
FM51YA1003 	2,400 - 2,500	1.5:1	14.5	Vertical or Horizontal
FM51YA1006 	4,900 - 5,850	1.5:1	17	Vertical or Horizontal

Fixed Antennas Continued











FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51YA1005 	5,725 - 5,825	1.5:1	16.5	Vertical

Omni Directional Antennas




Ceiling Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51217 	617 - 960, 1,350 - 1,550	1.8:1	1.5 / 3.5	Linear
FM51218 	617 - 960, 1,350 - 1,550	1.8:1	1.5 / 3.5	Linear/Horizontal
FM51223 	617 - 960, 1,350 - 1,550	1.8:1	1.5 / 3.5	Linear
FM51224 	617 - 960, 1,350 - 1,550	1.8:1	1.5 / 3.5	Linear/Horizontal
FM51219 	617 - 698, 698 - 960	1.8:1	1.8 / 2	vertical
FM51225 	617 - 698, 698 - 960	1.8:1	1.8 / 2	vertical
FM51241 	617 - 698, 698 - 960	1.8:1	3 / 3	Horizontal
FM51242 	617 - 698, 698 - 960	1.8:1	3 / 3	Horizontal
FM51247 	698 - 960, 1,710 - 2,700	1.8:1	3 / 3.5	Vertical/Horizontal
FM51248 	698 - 960, 1,710 - 2,700	1.8:1	3 / 3.5	Vertical/Horizontal
FM51220 	698 - 960, 1,350 - 1,550	1.8:1	2.2 / 3.5	Linear




Ceiling Antennas Continued

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51226 	698 - 960, 1,350 - 1,550	1.8:1	2.2 / 3.5	Linear
FM51252 	698 - 960, 1,427 - 1,710	1.8:1	2.5 / 3.5	Horizontal
FM51253 	698 - 960, 1,427 - 1,710	1.8:1	2.5 / 3.5	Horizontal
FM51250 	698 - 806, 806 - 960	1.8:1	3.5 / 3.5	Horizontal
FM51251 	698 - 806, 806 - 960	1.8:1	3.5 / 3.5	Horizontal
FM51221 	698 - 806, 806 - 960	2:1	1.5 / 2.2	Linear/Horizontal
FM51227 	698 - 806, 806 - 960	2:1	1.5 / 2.2	Linear/Horizontal
FM51222 	698 - 806, 806 - 960	2:1	3 / 3.5	Vertical/Horizontal
FM51228 	698 - 806, 806 - 960	2:1	3 / 3.5	Vertical/Horizontal
FM51249 	698 - 806, 806 - 960	2:1	2.5 / 3.5	Vertical/Horizontal





Dipole Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FMANED1012 	136 - 174	1.5:1	3	Vertical
FMANED1014 	400 - 470	1.5:1	3	Vertical
FMANED1015 	400 - 470	1.5:1	3	Vertical



Dome Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51059 	800 - 3,000	2:1	3	Vertical
FM51058 	800 - 3,000	2:1	7.5	Vertical
FM51096 	806 - 960, 1,710 - 2,500	1.5:1	3	Vertical



Fixed Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51028 	902 - 928	2:1	5	Vertical
SANT-2013 	2,400 - 2,500	1.5:1	11	Vertical
FM51064 	2,450 - 2,550	1.43:1	3	Vertical
FM51040 	5,725 - 5,850	1.5:1	12	Vertical










GPS/GLNSS Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51GPS1005 	1,166 - 1,606	1.8:1	43	RHCP
FM51TM1000 	1,574 - 1,610	2:1	32	


GPS/GNSS Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FMANGPS1006 	1,597 - 1,607	2.5:1	-3	Linear, Vertical
FMANGPS1008 	1,597 - 1,607	2.5:1	-3	Linear, Vertical














GPS/GNSS Active Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FMANGPS1005 	1,164 - 1,300, 1,525 - 1,615	2:1	47.5 / 47.5	RHCP
FMANGPS1002 	1,164 - 1,300, 1,525 - 1,615	2:1	41 / 42	RHCP
FMANGPS1004 	1,164 - 1,300, 1,525 - 1,615	2:1	47.5 / 47.5	RHCP
FMANGPS1001 	1,166 - 1,278, 1,520 - 1,610	2:1	37.5 / 40	RHCP
FMANGPS1003 	1,205 - 1,278, 1,559 - 1,615	2:1	47.5 / 47.5	RHCP
FMANGPS1000 	1,217 - 1,257, 1,565 - 1,610	2:1	37 / 37.5	RHCP
FM51067 	1,570 - 1,580	1.3:1	32	RHCP
FMANGPS1007 	1,597 - 1,607	2.5:1	1	Linear, Vertical
FMANGPS1009 	1,597 - 1,607	2.5:1	1	Linear, Vertical

















Mobile Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51136 	2,400 - 2,500		3	Vertical














Omni Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FMANOM1050 	134 - 174	1.5:1	4.5	Vertical
FMANOM1051 	423 - 443	1.5:1	8	Vertical
FM51OM1039 	617 - 960, 1,710 - 2,700	2:1	6 / 6	Vertical
FM51OM1040 	617 - 960, 1,710 - 3,800	2:1 / 2.5:1	7 / 7	Vertical
FM51OM1033 	698 - 960	2:1	6	Vertical
FM51OM1034 	698 - 960	2:1	6	Vertical
FM51OM1035 	698 - 960	2:1	8	Vertical
FM51OM1036 	698 - 960	2:1	8	Vertical
FM51OM1020 	698 - 960, 1,710 - 2,700	1.6:1	4 / 4	Vertical
FM51OM1038 	698 - 960, 1,710 - 2,700	1.7:1	6 / 8	Vertical
FM51OM1031 	698 - 806, 806 - 960	1.8:1	3 / 3	Vertical
FM51OM1032 	698 - 806, 806 - 960	1.8:1	3 / 3	Vertical
FM51OM1013 	824 - 960	1.5:1	3	Vertical


Omni Antennas Continued

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51OM1014 	824 - 960	1.5:1	6	Vertical
FM51OM1015 	900 - 928	1.5:1	6	Vertical
FM51OM1016 	900 - 928	1.5:1	8	Vertical
FM51OM1019 	900 - 928	1.6:1	8	Vertical
FM51OM1017 	900 - 928	1.6:1	3	Vertical
FM51OM1018 	900 - 928	1.6:1	6	Vertical
FM51OM1043 	1,710 - 2,700	2.3:1	1	Vertical
FM51OM1041 	1,710 - 2,700	2.3:1	6	Vertical
FM51OM1042 	1,710 - 2,700	2.3:1	8	Vertical
FM51OM1024 	2,400 - 2,500	1.5:1	4	Vertical
FM51OM1026 	2,400 - 2,500	2:1	8	Vertical
FM51OM1045 	2,400 - 2,500	2.3:1	12	Vertical/Horizontal
FM51OM1007 	2,400 - 2,500, 5,100 - 5,800	1.6:1	6 / 9	Vertical/Horizontal
FM51OM1008 	2,400 - 2,500, 5,100 - 5,800	1.6:1	6 / 11	Vertical/Horizontal
FM51OM1009 	2,400 - 2,500, 5,100 - 5,800	1.6:1	6	Vertical/Horizontal
FM51OM1010 	2,400 - 2,500, 5,100 - 5,800	1.6:1	6 / 6	Vertical/Horizontal


Omni Antennas Continued

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51OM1011 	2,400 - 2,500, 5,100 - 5,800	1.6:1 / 1.9:1	6 / 11	Vertical/Horizontal
FM51OM1004 	2,400 - 2,500, 5,725 - 5,850	1.5:1	6 / 6	Vertical
FM51OM1005 	2,400 - 2,500, 5,725 - 5,850	1.6:1	9 / 9	Vertical
FM51OM1012 	2,400 - 2,500, 4,900 - 5,850	1.8:1	4 / 6	Vertical
FM51OM1001 	2,400 - 2,500, 4,900 - 5,850	2:1	3.5 / 4	Vertical
FM51OM1002 	2,400 - 2,500, 4,900 - 5,850	2.5:1	5 / 6	Vertical
FM51OM1003 	2,400 - 2,500, 4,900 - 5,850	2.5:1	7 / 8	Vertical
FM51OM1006 	2,400 - 2,500, 5,100 - 5,900	1.6:1 / 1.8:1	6 / 6	Vertical/Horizontal
FM51OM1044 	2,500 - 2,700	1.5:1	12	Vertical
FM51OM1046 	3,300 - 3,800	2:1	1	Vertical
FM51OM1047 	3,300 - 3,800	2:1	8	±45 Deg. Slant
FM51OM1049 	3,300 - 3,800	2:1	12	±45 Deg. Slant
FM51OM1048 	3,300 - 3,800	2:1	13	±45 Deg. Slant














Panel Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51FP1015 	617 - 698, 698 - 960	2:1	5.5 / 6	±45 Deg. Slant

















Panel Antennas Continued

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51FP1016 	698 - 806, 806 - 960	1.8:1	5 / 6	Vertical

















Portable Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51TW1000 	118 - 174	2:1	0	Vertical
FMAN51145 	380 - 470	2:1	2	Vertical
FMAN51159 	420 - 450	2:1	0	Vertical
FMAN51160 	420 - 450	2:1	0	Vertical
FMAN51148 	450 - 470	2:1	0	Vertical
FMAN51161 	470 - 512	2:1	0	Vertical
FM51OM1030 	615 - 960, 1,710 - 2,690	3:1	3 / 3	Vertical
FM51OM1027 	615 - 960, 1,710 - 2,700	3:1	3.5 / 3.5	Vertical
FM51OM1029 	615 - 960, 1,710 - 2,700	3:1	3.5 / 3.5	Vertical
FM51RD1031 	615 - 960, 1,400 - 2,700	3:1	4.5 / 4.5	Vertical
FM51RD1030 	615 - 960, 1,710 - 2,700	3:1	3.5 / 2	Vertical
FM51OM1028 	617 - 960, 1,710 - 2,690	3:1	3 / 3	Vertical
FM51RD1032 	617 - 960, 1,427 - 2,700	3.5:1	2 / 2	Vertical











Portable Antennas Continued

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FMAN51157 	698 - 780	2:1	0	Vertical
FM51RD1027 	698 - 960, 1,710 - 2,700	4.5:1	3 / 3	Vertical
FM51RD1028 	700 - 960, 1,710 - 2,170	2.5:1	4 / 4	Vertical
FMAN51166 	760 - 870	2:1	0	Vertical
FMAN51156 	806 - 880	2:1	0	Vertical
FM51OM1021 	824 - 928, 900 - 928	1.7:1	8.5 / 10	Vertical/Horizontal
FM51RD1008 	860 - 960	2:1	3	Vertical
FM51RD1009 	860 - 960	2:1	3	Vertical
FMAN51164 	880 - 960	2:1	0	Vertical
FMAN51165 	880 - 960	2:1	0	Vertical
FM51RD1010 	900 - 930	2.5:1	5	Vertical
FM51RD1011 	900 - 930	2.5:1	5	Vertical
FM51RD1012 	900 - 930	2.5:1	5	Vertical
FM51056 	900 - 960	1.5:1	0	Vertical
FM51055 	900 - 960	2.1:1	3	Vertical
FM51119 	1,700 - 1,850	2:1	3.5	Vertical




Portable Antennas Continued

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM5117A 	1,700 - 2,500	2:1	2	Vertical
FM51173 	1,700 - 2,500	2:1	2	Vertical
FM51121 	1,900 - 2,500	2:1	3.5	Vertical
FM51123 	2,200 - 2,500	2:1	6	Vertical
FM51077 	2,400 - 2,500	2:1	2.2	Vertical/Horizontal
FM51078 	2,400 - 2,500	2:1	5.5	Vertical
FM51OM1050 	2,400 - 2,500	1.5:1	12	Vertical
FM51OM1051 	2,400 - 2,500	1.5:1	12	Vertical
SANT-2110 	2,400 - 2,500, 5,000 - 5,900	2:1	6 / 6	Vertical
SANT-2111 	2,400 - 2,500, 5,000 - 5,900	2:1	6 / 6	Vertical
SANT-2112 	2,400 - 2,500, 5,000 - 5,900	2:1	6 / 6	Vertical
FM51087 	2,400 - 2,500, 4,900 - 5,800	2:1	2.5	Vertical
FM51088 	2,400 - 2,500, 4,900 - 5,100	2.5:1	2	Vertical
FM51080 	2,400 - 2,500, 4,900 - 5,825	2:1	2	Vertical
FM51082 	2,400 - 2,500, 4,900 - 5,825	2:1	2	Vertical
FM51083 	2,400 - 2,500, 4,900 - 5,825	2:1	2	Vertical


Portable Antennas Continued

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51081 	2,400 - 2,500, 4,900 - 5,825		2 / 3	Vertical
FM51RD1025 	2,400 - 7,125	1.7:1	3	Vertical
FM51RD1026 	2,400 - 7,125	1.7:1	3	Vertical
FM51084 	3,300 - 3,800	2:1	2	Vertical
FM51OM1052 	3,300 - 4,200	2:1	11	Vertical
FM51OM1053 	3,300 - 4,200	2:1	11	Vertical
FM51085 	3,400 - 3,800	2:1	5	Vertical
FM51135A 	4,400 - 5,000	2:1	6	Vertical
FM51125A 	5,250 - 5,850	2:1	3.8	Vertical
FM51127 	5,250 - 5,850	2:1	6	Vertical








Rubber Duck Antennas

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51RD1018 	900 - 930	2:1	5	Linear
FM51RD1019 	900 - 930	2.5:1	5	Vertical
FM51RD1020 	2,400 - 2,500	2:1	2	Linear


Rubber Duck Antennas Continued

FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51RD1022 	2,400 - 2,500	2:1	2	Linear
FM51RD1021 	2,400 - 2,500	2:1	2	Linear
FM51RD1013 	2,400 - 2,500	2:1	3	Linear
FM51RD1023 	2,400 - 2,500	2:1	3	Linear
FM51RD1024 	2,400 - 2,500	2:1	3	Linear
FM51RD1014 	2,400 - 2,500	2:1	4.52	Linear
FM51RD1015 	2,400 - 2,500	2:1	4.52	Linear
FM51RD1016 	2,400 - 2,500	2:1	4.52	Linear
FM51RD1007 	2,400 - 2,500	2:1	5.5	Vertical
FM51RD1017 	2,400 - 2,500	2:1	7	Linear
FM51RD1001 	2,400 - 2,500, 4,900 - 5,350	2:1	3 / 3	Vertical
FM51RD1002 	2,400 - 2,500, 4,900 - 5,350	2:1	3 / 3	Vertical
FM51RD1004 	2,400 - 2,500, 4,900 - 5,350	2:1	3 / 3	Vertical
FM51RD1006 	2,400 - 2,500, 5,150 - 5,850	2:1	4.5 / 7	Vertical
FM51RD1005 	2,400 - 2,483, 5,100 - 5,900	2:1	3 / 5	Vertical

Vehicular Antennas




FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51MP1000 	108 - 520	2:1	2	Linear, Vertical
FM51MP1001 	132 - 174	1.5:1	3	Linear, Vertical
FM51MP1002 	132 - 174	2:1	2	Linear, Vertical
FM51MP1005 	380 - 520	2:1	2	Linear, Vertical
FM51MP1007 	420 - 470	1.5:1	5	Linear, Vertical
FM51MP1011 	450 - 520, 746 - 960	2:1	2 / 2	Linear, Vertical
FM51MP1010 	698 - 960, 1,710 - 2,150	2:1	2 / 3	Linear, Vertical

Antenna Mounts













FM P/N	RF Frequency Range (MHz)	VSWR	Gain Nominal	Polarization
FM51TM1001 	1,574 - 1,610		32	

Waveguide Antennas

















Waveguide Antennas with Coax Adapters

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FM9850B/2F-10 	WR-28	26.5 - 40	10	WR-28	2.92mm Female
FMWAN028-10KF 	WR-28	26.5 - 40	10	WR-28	2.92mm Female
FMWAN028-10KM 	WR-28	26.5 - 40	10	WR-28	2.92mm Male

















Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
SMH128KR-10 	WR-28	26.5 - 40	10	WR-28	2.92mm Female
FM9850B/2F-15 	WR-28	26.5 - 40	15	WR-28	2.92mm Female
FMWAN028-15KF 	WR-28	26.5 - 40	15	WR-28	2.92mm Female
FMWAN028-15KM 	WR-28	26.5 - 40	15	WR-28	2.92mm Male
FM9850B/2F-20 	WR-28	26.5 - 40	20	WR-28	2.92mm Female
FMWAN028-20KF 	WR-28	26.5 - 40	20	WR-28	2.92mm Female
FMWAN028-20KM 	WR-28	26.5 - 40	20	WR-28	2.92mm Male
FM9851B/2F-10 	WR-34	22 - 33	10	WR-34	2.92mm Female
FMWAN034-10KF 	WR-34	22 - 33	10	WR-34	2.92mm Female
FM9851B/2F-15 	WR-34	22 - 33	15	WR-34	2.92mm Female
FMWAN034-15KF 	WR-34	22 - 33	15	WR-34	2.92mm Female
FM9851B/2F-20 	WR-34	22 - 33	20	WR-34	2.92mm Female
FMWAN034-20KF 	WR-34	22 - 33	20	WR-34	2.92mm Female
SMH134KR-20 	WR-34	22 - 33	20	WR-34	2.92mm Female
FM9852B/2F-10 	WR-42	18 - 26.5	10	WR-42	2.92mm Female
FMWAN042-10ELKF 	WR-42	18 - 26.5	10	WR-42	2.92mm Female



Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FMWAN042-10KF 	WR-42	18 - 26.5	10	WR-42	2.92mm Female
FMWAN042-10KM 	WR-42	18 - 26.5	10	WR-42	2.92mm Male
FMWAN042-10SF 	WR-42	18 - 26.5	10	WR-42	SMA Female
FM9852B/2F-15 	WR-42	18 - 26.5	15	WR-42	2.92mm Female
FMWAN042-15ELKF 	WR-42	18 - 26.5	15	WR-42	2.92mm Female
FMWAN042-15KF 	WR-42	18 - 26.5	15	WR-42	2.92mm Female
FMWAN042-15KM 	WR-42	18 - 26.5	15	WR-42	2.92mm Male
FMWAN042-15SF 	WR-42	18 - 26.5	15	WR-42	SMA Female
FM9852B/2F-20 	WR-42	18 - 26.5	20	WR-42	2.92mm Female
FMWAN042-20ELKF 	WR-42	18 - 26.5	20	WR-42	2.92mm Female
FMWAN042-20KF 	WR-42	18 - 26.5	20	WR-42	2.92mm Female
FMWAN042-20KM 	WR-42	18 - 26.5	20	WR-42	2.92mm Male
FMWAN042-20SF 	WR-42	18 - 26.5	20	WR-42	SMA Female
SMH142SR-20 	WR-42	18 - 26.5	20	WR-42	SMA Female
FM9853B/SF-10 	WR-51	15 - 22	10	WR-51	SMA Female
FMWAN051-10ELSF 	WR-51	15 - 22	10	WR-51	SMA Female

















Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FMWAN051-10SF 	WR-51	15 - 22	10	WR-51	SMA Female
FM9853B/SF-15 	WR-51	15 - 22	15	WR-51	SMA Female
FMWAN051-15ELSF 	WR-51	15 - 22	15	WR-51	SMA Female
FMWAN051-15SF 	WR-51	15 - 22	15	WR-51	SMA Female
FM9853B/SF-20 	WR-51	15 - 22	20	WR-51	SMA Female
FMWAN051-20ELSF 	WR-51	15 - 22	20	WR-51	SMA Female
FMWAN051-20SF 	WR-51	15 - 22	20	WR-51	SMA Female
SMH151SR-20B 	WR-51	15 - 22	20	WR-51	SMA Female
FM9854B/NF-10 	WR-62	12.4 - 18	10	WR-62	N Female
FM9854B/SF-10 	WR-62	12.4 - 18	10	WR-62	SMA Female
FMWAN062-10ELNF 	WR-62	12.4 - 18	10	WR-62	N Female
FMWAN062-10ELSF 	WR-62	12.4 - 18	10	WR-62	SMA Female
FMWAN062-10NF 	WR-62	12.4 - 18	10	WR-62	N Female
FMWAN062-10NM 	WR-62	12.4 - 18	10	WR-62	N Male
FMWAN062-10SF 	WR-62	12.4 - 18	10	WR-62	SMA Female
FMWAN062-10SM 	WR-62	12.4 - 18	10	WR-62	SMA Male

















Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
SMH162NR-10 	WR-62	12.4 - 18	10	WR-62	N Female
FM9854B/NF-15 	WR-62	12.4 - 18	15	WR-62	N Female
FM9854B/SF-15 	WR-62	12.4 - 18	15	WR-62	SMA Female
FMWAN062-15ELNF 	WR-62	12.4 - 18	15	WR-62	N Female
FMWAN062-15ELSF 	WR-62	12.4 - 18	15	WR-62	SMA Female
FMWAN062-15NF 	WR-62	12.4 - 18	15	WR-62	N Female
FMWAN062-15NM 	WR-62	12.4 - 18	15	WR-62	N Male
FMWAN062-15SF 	WR-62	12.4 - 18	15	WR-62	SMA Female
FMWAN062-15SM 	WR-62	12.4 - 18	15	WR-62	SMA Male
FM9854B/NF-20 	WR-62	12.4 - 18	20	WR-62	N Female
FM9854B/SF-20 	WR-62	12.4 - 18	20	WR-62	SMA Female
FMWAN062-20ELNF 	WR-62	12.4 - 18	20	WR-62	N Female
FMWAN062-20NF 	WR-62	12.4 - 18	20	WR-62	N Female
FMWAN062-20NM 	WR-62	12.4 - 18	20	WR-62	N Male
FMWAN062-20SF 	WR-62	12.4 - 18	20	WR-62	SMA Female
FMWAN062-20SM 	WR-62	12.4 - 18	20	WR-62	SMA Male

















Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
SMH162NR-20 	WR-62	12.4 - 18	20	WR-62	N Female
FM9855B/NF-10 	WR-75	10 - 15	10	WR-75	N Female
FM9855B/SF-10 	WR-75	10 - 15	10	WR-75	SMA Female
FMWAN075-10ELNF 	WR-75	10 - 15	10	WR-75	N Female
FMWAN075-10ELSF 	WR-75	10 - 15	10	WR-75	SMA Female
FMWAN075-10NF 	WR-75	10 - 15	10	WR-75	N Female
FMWAN075-10SF 	WR-75	10 - 15	10	WR-75	SMA Female
FM9855B/NF-15 	WR-75	10 - 15	15	WR-75	N Female
FM9855B/SF-15 	WR-75	10 - 15	15	WR-75	SMA Female
FMWAN075-15ELNF 	WR-75	10 - 15	15	WR-75	N Female
FMWAN075-15ELSF 	WR-75	10 - 15	15	WR-75	SMA Female
FMWAN075-15NF 	WR-75	10 - 15	15	WR-75	N Female
FMWAN075-15SF 	WR-75	10 - 15	15	WR-75	SMA Female
FM9855B/NF-20 	WR-75	10 - 15	20	WR-75	N Female
FM9855B/SF-20 	WR-75	10 - 15	20	WR-75	SMA Female
FMWAN075-20ELNF 	WR-75	10 - 15	20	WR-75	N Female

Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FMWAN075-20ELSF 	WR-75	10 - 15	20	WR-75	SMA Female
FMWAN075-20NF 	WR-75	10 - 15	20	WR-75	N Female
FMWAN075-20SF 	WR-75	10 - 15	20	WR-75	SMA Female
SMH175SR-20 	WR-75	10 - 15	20	WR-75	SMA Female
FM9856B/NF-10 	WR-90	8.2 - 12.4	10	WR-90	N Female
FM9856B/SF-10 	WR-90	8.2 - 12.4	10	WR-90	SMA Female
FMWAN090-10ELNF 	WR-90	8.2 - 12.4	10	WR-90	N Female
FMWAN090-10ELSF 	WR-90	8.2 - 12.4	10	WR-90	SMA Female
FMWAN090-10NF 	WR-90	8.2 - 12.4	10	WR-90	N Female
FMWAN090-10SF 	WR-90	8.2 - 12.4	10	WR-90	SMA Female
FMWAN090-10SM 	WR-90	8.2 - 12.4	10	WR-90	SMA Male
FM9856B/NF-15 	WR-90	8.2 - 12.4	15	WR-90	N Female
FM9856B/SF-15 	WR-90	8.2 - 12.4	15	WR-90	SMA Female
FMWAN090-15ELNF 	WR-90	8.2 - 12.4	15	WR-90	N Female
FMWAN090-15ELSF 	WR-90	8.2 - 12.4	15	WR-90	SMA Female
FMWAN090-15NF 	WR-90	8.2 - 12.4	15	WR-90	N Female



Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FMWAN090-15SF 	WR-90	8.2 - 12.4	15	WR-90	SMA Female
FMWAN090-15SM 	WR-90	8.2 - 12.4	15	WR-90	SMA Male
FM9856B/NF-20 	WR-90	8.2 - 12.4	20	WR-90	N Female
FM9856B/SF-20 	WR-90	8.2 - 12.4	20	WR-90	SMA Female
FMWAN090-20ELNF 	WR-90	8.2 - 12.4	20	WR-90	N Female
FMWAN090-20ELSF 	WR-90	8.2 - 12.4	20	WR-90	SMA Female
FMWAN090-20NF 	WR-90	8.2 - 12.4	20	WR-90	N Female
FMWAN090-20SF 	WR-90	8.2 - 12.4	20	WR-90	SMA Female
FMWAN090-20SM 	WR-90	8.2 - 12.4	20	WR-90	SMA Male
SMH190NR-20 	WR-90	8.2 - 12.4	20	WR-90	N Female
SMH190SR-20 	WR-90	8.2 - 12.4	20	WR-90	SMA Female
FM9857B/NF-10 	WR-102	7 - 11	10	WR-102	N Female
FM9857B/SF-10 	WR-102	7 - 11	10	WR-102	SMA Female
FMWAN102-10ELSF 	WR-102	7 - 11	10	WR-102	SMA Female
FMWAN102-10NF 	WR-102	7 - 11	10	WR-102	N Female
FMWAN102-10NM 	WR-102	7 - 11	10	WR-102	N Male

















Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FMWAN102-10SF 	WR-102	7 - 11	10	WR-102	SMA Female
FMWAN102-10SM 	WR-102	7 - 11	10	WR-102	SMA Male
FM9857B/NF-15 	WR-102	7 - 11	15	WR-102	N Female
FM9857B/SF-15 	WR-102	7 - 11	15	WR-102	SMA Female
FMWAN102-15ELSF 	WR-102	7 - 11	15	WR-102	SMA Female
FMWAN102-15NF 	WR-102	7 - 11	15	WR-102	N Female
FMWAN102-15NM 	WR-102	7 - 11	15	WR-102	N Male
FMWAN102-15SF 	WR-102	7 - 11	15	WR-102	SMA Female
FMWAN102-15SM 	WR-102	7 - 11	15	WR-102	SMA Male
FM9857B/NF-20 	WR-102	7 - 11	20	WR-102	N Female
FM9857B/SF-20 	WR-102	7 - 11	20	WR-102	SMA Female
FMWAN102-20ELSF 	WR-102	7 - 11	20	WR-102	SMA Female
FMWAN102-20NF 	WR-102	7 - 11	20	WR-102	N Female
FMWAN102-20NM 	WR-102	7 - 11	20	WR-102	N Male
FMWAN102-20SF 	WR-102	7 - 11	20	WR-102	SMA Female
FMWAN102-20SM 	WR-102	7 - 11	20	WR-102	SMA Male

















Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FM9858B/NF-10 	WR-112	7.05 - 10	10	WR-112	N Female
FM9858B/SF-10 	WR-112	7.05 - 10	10	WR-112	SMA Female
FMWAN112-10ELNF 	WR-112	7.05 - 10	10	WR-112	N Female
FMWAN112-10ELSF 	WR-112	7.05 - 10	10	WR-112	SMA Female
FMWAN112-10NF 	WR-112	7.05 - 10	10	WR-112	N Female
FMWAN112-10SF 	WR-112	7.05 - 10	10	WR-112	SMA Female
SMH112SR-10 	WR-112	7.05 - 10	10	WR-112	SMA Female
FM9858B/NF-15 	WR-112	7.05 - 10	15	WR-112	N Female
FM9858B/SF-15 	WR-112	7.05 - 10	15	WR-112	SMA Female
FMWAN112-15ELNF 	WR-112	7.05 - 10	15	WR-112	N Female
FMWAN112-15ELSF 	WR-112	7.05 - 10	15	WR-112	SMA Female
FMWAN112-15NF 	WR-112	7.05 - 10	15	WR-112	N Female
FMWAN112-15SF 	WR-112	7.05 - 10	15	WR-112	SMA Female
FM9858B/NF-20 	WR-112	7.05 - 10	20	WR-112	N Female
FM9858B/SF-20 	WR-112	7.05 - 10	20	WR-112	SMA Female
FMWAN112-20ELNF 	WR-112	7.05 - 10	20	WR-112	N Female

















Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FMWAN112-20ELSF 	WR-112	7.05 - 10	20	WR-112	SMA Female
FMWAN112-20NF 	WR-112	7.05 - 10	20	WR-112	N Female
FMWAN112-20SF 	WR-112	7.05 - 10	20	WR-112	SMA Female
SMH1112NR-20 	WR-112	7.05 - 10	20	WR-112	N Female
SMH1112SR-20 	WR-112	7.05 - 10	20	WR-112	SMA Female
FM9859B/NF-10 	WR-137	5.85 - 8.2	10	WR-137	N Female
FM9859B/SF-10 	WR-137	5.85 - 8.2	10	WR-137	SMA Female
FMWAN137-10NF 	WR-137	5.85 - 8.2	10	WR-137	N Female
FMWAN137-10SF 	WR-137	5.85 - 8.2	10	WR-137	SMA Female
FM9859B/NF-15 	WR-137	5.85 - 8.2	15	WR-137	N Female
FM9859B/SF-15 	WR-137	5.85 - 8.2	15	WR-137	SMA Female
FMWAN137-15NF 	WR-137	5.85 - 8.2	15	WR-137	N Female
FMWAN137-15SF 	WR-137	5.85 - 8.2	15	WR-137	SMA Female
FM9859B/NF-20 	WR-137	5.85 - 8.2	20	WR-137	N Female
FM9859B/SF-20 	WR-137	5.85 - 8.2	20	WR-137	SMA Female
FMWAN137-20NF 	WR-137	5.85 - 8.2	20	WR-137	N Female

















Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FMWAN137-20SF 	WR-137	5.85 - 8.2	20	WR-137	SMA Female
FM9860B/NF-10 	WR-159	4.9 - 7.05	10	WR-159	N Female
FM9860B/SF-10 	WR-159	4.9 - 7.05	10	WR-159	SMA Female
FMWAN159-10NF 	WR-159	4.9 - 7.05	10	WR-159	N Female
FMWAN159-10SF 	WR-159	4.9 - 7.05	10	WR-159	SMA Female
FM9860B/NF-15 	WR-159	4.9 - 7.05	15	WR-159	N Female
FM9860B/SF-15 	WR-159	4.9 - 7.05	15	WR-159	SMA Female
FMWAN159-15NF 	WR-159	4.9 - 7.05	15	WR-159	N Female
FMWAN159-15SF 	WR-159	4.9 - 7.05	15	WR-159	SMA Female
FM9860B/NF-20 	WR-159	4.9 - 7.05	20	WR-159	N Female
FM9860B/SF-20 	WR-159	4.9 - 7.05	20	WR-159	SMA Female
FMWAN159-20NF 	WR-159	4.9 - 7.05	20	WR-159	N Female
FMWAN159-20SF 	WR-159	4.9 - 7.05	20	WR-159	SMA Female
FM9861B/NF-10 	WR-187	3.95 - 5.85	10	WR-187	N Female
FM9861B/SF-10 	WR-187	3.95 - 5.85	10	WR-187	SMA Female
FMWAN187-10NF 	WR-187	3.95 - 5.85	10	WR-187	N Female





Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FMWAN187-10SF 	WR-187	3.95 - 5.85	10	WR-187	SMA Female
FM9861B/NF-15 	WR-187	3.95 - 5.85	15	WR-187	N Female
FM9861B/SF-15 	WR-187	3.95 - 5.85	15	WR-187	SMA Female
FMWAN187-15NF 	WR-187	3.95 - 5.85	15	WR-187	N Female
FMWAN187-15SF 	WR-187	3.95 - 5.85	15	WR-187	SMA Female
FM9861B/NF-20 	WR-187	3.95 - 5.85	20	WR-187	N Female
FM9861B/SF-20 	WR-187	3.95 - 5.85	20	WR-187	SMA Female
FMWAN187-20NF 	WR-187	3.95 - 5.85	20	WR-187	N Female
FMWAN187-20SF 	WR-187	3.95 - 5.85	20	WR-187	SMA Female
FM9862B/NF-10 	WR-229	3.3 - 4.9	10	WR-229	N Female
FMWAN229-10NF 	WR-229	3.3 - 4.9	10	WR-229	N Female
FMWAN229-10SF 	WR-229	3.3 - 4.9	10	WR-229	SMA Female
FM9862B/NF-15 	WR-229	3.3 - 4.9	15	WR-229	N Female
FMWAN229-15NF 	WR-229	3.3 - 4.9	15	WR-229	N Female
FMWAN229-15SF 	WR-229	3.3 - 4.9	15	WR-229	SMA Female
FM9862B/NF-20 	WR-229	3.3 - 4.9	20	WR-229	N Female









Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FMWAN229-20NF 	WR-229	3.3 - 4.9	20	WR-229	N Female
FMWAN229-20SF 	WR-229	3.3 - 4.9	20	WR-229	SMA Female
FM9863B/NF-10 	WR-284	2.6 - 3.95	10	WR-284	N Female
FMWAN284-10NF 	WR-284	2.6 - 3.95	10	WR-284	N Female
FMWAN284-10SF 	WR-284	2.6 - 3.95	10	WR-284	SMA Female
FM9863B/NF-15 	WR-284	2.6 - 3.95	15	WR-284	N Female
FMWAN284-15NF 	WR-284	2.6 - 3.95	15	WR-284	N Female
FMWAN284-15SF 	WR-284	2.6 - 3.95	15	WR-284	SMA Female
FM9863B/NF-20 	WR-284	2.6 - 3.95	20	WR-284	N Female
FMWAN284-20NF 	WR-284	2.6 - 3.95	20	WR-284	N Female
FMWAN284-20SF 	WR-284	2.6 - 3.95	20	WR-284	SMA Female
FMWAN430-10NF 	WR-430	1.7 - 2.6	10	WR-430	N Female
FMWAN430-10SF 	WR-430	1.7 - 2.6	10	WR-430	SMA Female
FM9864B/NF-15 	WR-430	1.7 - 2.6	15	WR-430	N Female
FMWAN430-15NF 	WR-430	1.7 - 2.6	15	WR-430	N Female
FMWAN430-15SF 	WR-430	1.7 - 2.6	15	WR-430	SMA Female






Waveguide Antennas with Coax Adapters Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type	Connector
FM9864B/NF-20 	WR-430	1.7 - 2.6	20	WR-430	N Female
FMWAN430-20NF 	WR-430	1.7 - 2.6	20	WR-430	N Female
FMWAN430-20SF 	WR-430	1.7 - 2.6	20	WR-430	SMA Female
FM9864B/NF-10 	WR-430	1.7 - 2.6		WR-430	N Female

















Standard Gain Horns

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN1029 	WR-5	140 - 220	10	Round Cover UG-387/U-Mod
FMWAN1030 	WR-5	140 - 220	15	Round Cover UG-387/U-Mod
FMWAN1031 	WR-5	140 - 220	20	Round Cover UG-387/U-Mod
FMWAN1032 	WR-5	140 - 220	25	Round Cover UG-387/U-Mod
FMWAN1025 	WR-6	110 - 170	10	Round Cover UG-387/U-Mod
FMWAN1026 	WR-6	110 - 170	15	Round Cover UG-387/U-Mod
FMWAN1027 	WR-6	110 - 170	20	Round Cover UG-387/U-Mod
FMWAN1028 	WR-6	110 - 170	25	Round Cover UG-387/U-Mod
FMWAN1021 	WR-8	90 - 140	10	Round Cover UG-387/U-Mod
FMWAN1022 	WR-8	90 - 140	15	Round Cover UG-387/U-Mod

















Standard Gain Horns Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN1023 	WR-8	90 - 140	20	Round Cover UG-387/U-Mod
FMWAN1024 	WR-8	90 - 140	25	Round Cover UG-387/U-Mod
FMWAN1017 	WR-10	75 - 110	10	Round Cover UG-387/U-Mod
FMWAN1018 	WR-10	75 - 110	15	Round Cover UG-387/U-Mod
FMWAN1019 	WR-10	75 - 110	20	Round Cover UG-387/U-Mod
FMWAN1020 	WR-10	75 - 110	25	Round Cover UG-387/U-Mod
FMWAN1013 	WR-12	60 - 90	10	Round Cover UG-387/U-Mod
FMWAN1014 	WR-12	60 - 90	15	Round Cover UG-387/U-Mod
FMWAN1015 	WR-12	60 - 90	20	Round Cover UG-387/U-Mod
FMWAN1016 	WR-12	60 - 90	25	Round Cover UG-387/U
FM9859B-20 	WR-137	5.85 - 8.2	20	CMR-137F
FMWAN1009 	WR-15	50 - 75	10	Round Cover UG-385/U-Mod
FMWAN1010 	WR-15	50 - 75	15	Round Cover UG-385/U-Mod
FMWAN1011 	WR-15	50 - 75	20	Round Cover UG-385/U-Mod
FMWAN1012 	WR-15	50 - 75	25	Round Cover UG-385/U-Mod
FMWAN1005 	WR-19	40 - 60	10	Round Cover UG-383/U-Mod

















Standard Gain Horns Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN1006 	WR-19	40 - 60	15	Round Cover UG-383/U-Mod
FMWAN1007 	WR-19	40 - 60	20	Round Cover UG-383/U-Mod
FMWAN1008 	WR-19	40 - 60	25	Round Cover UG-383/U-Mod
FM9850B-10 	WR-28	26.5 - 40	10	Square Cover UG-599/U
FMWAN028-10 	WR-28	26.5 - 40	10	Square Cover UG-599/U
FM9850B-15 	WR-28	26.5 - 40	15	Square Cover UG-599/U
FMWAN028-15 	WR-28	26.5 - 40	15	Square Cover UG-599/U
FM9850B-20 	WR-28	26.5 - 40	20	Square Cover UG-599/U
FMWAN028-20 	WR-28	26.5 - 40	20	Square Cover UG-599/U
FM9851B-10 	WR-34	22 - 33	10	Square Cover UG-1530/U
FMWAN034-10 	WR-34	22 - 33	10	Square Cover UG-1530/U
FM9851B-15 	WR-34	22 - 33	15	Square Cover UG-1530/U
FMWAN034-15 	WR-34	22 - 33	15	Square Cover UG-1530/U
FM9851B-20 	WR-34	22 - 33	20	Square Cover UG-1530/U
FMWAN034-20 	WR-34	22 - 33	20	Square Cover UG-1530/U
FM9852B-10 	WR-42	18 - 26.5	10	Square Cover UG-597/U













Standard Gain Horns Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN042-10 	WR-42	18 - 26.5	10	Square Cover UG-597/U
FM9852B-15 	WR-42	18 - 26.5	15	Square Cover UG-597/U
FMWAN042-15 	WR-42	18 - 26.5	15	Square Cover UG-597/U
FM9852B-20 	WR-42	18 - 26.5	20	Square Cover UG-597/U
FMWAN042-20 	WR-42	18 - 26.5	20	Square Cover UG-597/U
FM9853B-10 	WR-51	15 - 22	10	Square Cover
FMWAN051-10 	WR-51	15 - 22	10	Square Cover
FM9853B-15 	WR-51	15 - 22	15	Square Cover
FMWAN051-15 	WR-51	15 - 22	15	Square Cover
FM9853B-20 	WR-51	15 - 22	20	Square Cover
FMWAN051-20 	WR-51	15 - 22	20	Square Cover
FM9854B-10 	WR-62	12.4 - 18	10	Square Cover UG-1665/U
FMWAN062-10 	WR-62	12.4 - 18	10	Square Cover
FM9854B-15 	WR-62	12.4 - 18	15	Square Cover
FMWAN062-15 	WR-62	12.4 - 18	15	Square Cover
FM9854B-20 	WR-62	12.4 - 18	20	Square Cover


Standard Gain Horns Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN062-20 	WR-62	12.4 - 18	20	Square Cover
FM9855B-10 	WR-75	10 - 15	10	Square Cover
FMWAN075-10 	WR-75	10 - 15	10	Square Cover
FM9855B-15 	WR-75	10 - 15	15	Square Cover
FMWAN075-15 	WR-75	10 - 15	15	Square Cover
FM9855B-20 	WR-75	10 - 15	20	Square Cover
FMWAN075-20 	WR-75	10 - 15	20	Square Cover
FM9856B-10 	WR-90	8.2 - 12.4	10	Square Cover UG-135/U
FMWAN090-10 	WR-90	8.2 - 12.4	10	Square Cover UG-135/U
FM9856B-15 	WR-90	8.2 - 12.4	15	Square Cover UG-135/U
FMWAN090-15 	WR-90	8.2 - 12.4	15	Square Cover UG-135/U
FM9856B-20 	WR-90	8.2 - 12.4	20	Square Cover UG-135/U
FMWAN090-20 	WR-90	8.2 - 12.4	20	Square Cover UG-135/U
FM9858B-10 	WR-112	7.05 - 10	10	Square Cover
FMWAN112-10 	WR-112	7.05 - 10	10	Square Cover
FM9858B-15 	WR-112	7.05 - 10	15	Square Cover UG-138/U
















Standard Gain Horns Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN112-15 	WR-112	7.05 - 10	15	Square Cover
FM9858B-20 	WR-112	7.05 - 10	20	Square Cover
FMWAN112-20 	WR-112	7.05 - 10	20	Square Cover
FM9857B-10 	WR-102	7 - 11	10	Square Cover UG-1493/U
FMWAN102-10 	WR-102	7 - 11	10	Square Cover
FM9857B-15 	WR-102	7 - 11	15	Square Cover
FMWAN102-15 	WR-102	7 - 11	15	Square Cover
FM9857B-20 	WR-102	7 - 11	20	Square Cover UG-1493/U
FMWAN102-20 	WR-102	7 - 11	20	Square Cover
FM9859B-10 	WR-137	5.85 - 8.2	10	CMR-137
FMWAN137-10 	WR-137	5.85 - 8.2	10	CMR-137
FM9859B-15 	WR-137	5.85 - 8.2	15	CMR-137
FMWAN137-15 	WR-137	5.85 - 8.2	15	CMR-137
FMWAN137-20 	WR-137	5.85 - 8.2	20	CMR-137
FM9860B-10 	WR-159	4.9 - 7.05	10	CMR-159
FMWAN159-10 	WR-159	4.9 - 7.05	10	CMR-159












Standard Gain Horns Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FM9860B-15 	WR-159	4.9 - 7.05	15	CMR-159
FMWAN159-15 	WR-159	4.9 - 7.05	15	Square Cover UG-1731/U
FM9860B-20 	WR-159	4.9 - 7.05	20	CMR-159
FMWAN159-20 	WR-159	4.9 - 7.05	20	CMR-159
FM9861B-10 	WR-187	3.95 - 5.85	10	CMR-187
FMWAN187-10 	WR-187	3.95 - 5.85	10	CMR-187
FM9861B-15 	WR-187	3.95 - 5.85	15	CMR-187
FMWAN187-15 	WR-187	3.95 - 5.85	15	CMR-187
FM9861B-20 	WR-187	3.95 - 5.85	20	CMR-187
FMWAN187-20 	WR-187	3.95 - 5.85	20	CMR-187
FM9862B-10 	WR-229	3.3 - 4.9	10	CMR-229
FMWAN229-10 	WR-229	3.3 - 4.9	10	CMR-229
FM9862B-15 	WR-229	3.3 - 4.9	15	CMR-229
FMWAN229-15 	WR-229	3.3 - 4.9	15	CMR-229
FM9862B-20 	WR-229	3.3 - 4.9	20	CMR-229
FMWAN229-20 	WR-229	3.3 - 4.9	20	CMR-229

















Standard Gain Horns Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FM9863B-10 	WR-284	2.6 - 3.95	10	CMR-284
FM9863B-10-U 	WR-284	2.6 - 3.95	10	Round Cover UG-584/U
FMWAN284-10 	WR-284	2.6 - 3.95	10	CMR-284
FM9863B-15 	WR-284	2.6 - 3.95	15	CMR-284
FM9863B-15-U 	WR-284	2.6 - 3.95	15	Round Cover UG-584/U
FMWAN284-15 	WR-284	2.6 - 3.95	15	CMR-284
FM9863B-20 	WR-284	2.6 - 3.95	20	CMR-284
FM9863B-20-U 	WR-284	2.6 - 3.95	20	Round Cover UG-584/U
FMWAN284-20 	WR-284	2.6 - 3.95	20	CMR-284
FM9864B-10 	WR-430	1.7 - 2.6	10	CPR-430F
FMWAN430-10 	WR-430	1.7 - 2.6	10	CPR-430F
FM9864B-15 	WR-430	1.7 - 2.6	15	CPR-430F
FMWAN430-15 	WR-430	1.7 - 2.6	15	CPR-430F
FM9864B-20 	WR-430	1.7 - 2.6	20	CPR-430F
FMWAN430-20 	WR-430	1.7 - 2.6	20	CPR-430F





Conical Gain Horns

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN1065 	WR-5	140 - 220	10	Round Cover UG-387/U
FMWAN1066 	WR-5	140 - 220	15	Round Cover UG-387/U
FMWAN1067 	WR-5	140 - 220	20	Round Cover UG-387/U
FMWAN1068 	WR-5	140 - 220	25	Round Cover UG-387/U
FMWAN1061 	WR-6	100 - 112	10	Round Cover UG-387/U-Mod
FMWAN1062 	WR-6	100 - 112	15	Round Cover UG-387/U-Mod
FMWAN1063 	WR-6	100 - 112	20	Round Cover UG-387/U-Mod
FMWAN1064 	WR-6	100 - 112	25	Round Cover UG-387/U-Mod
FMWAN1057 	WR-8	100 - 112	10	Round Cover UG-387/U-Mod
FMWAN1058 	WR-8	100 - 112	15	Round Cover UG-387/U-Mod
FMWAN1059 	WR-8	100 - 112	20	Round Cover UG-387/U-Mod
FMWAN1060 	WR-8	100 - 112	25	Round Cover UG-387/U-Mod
FMWAN1049 	WR-10	87 - 100	10	Round Cover UG-387/U
FMWAN1050 	WR-10	87 - 100	15	Round Cover UG-387/U
FMWAN1051 	WR-10	87 - 100	20	Round Cover UG-387/U
FMWAN1052 	WR-10	87 - 100	25	Round Cover UG-387/U







Conical Gain Horns Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN1053 	WR-10	77 - 87	10	Round Cover UG-387/U
FMWAN1054 	WR-10	77 - 87	15	Round Cover UG-387/U
FMWAN1055 	WR-10	77 - 87	20	Round Cover UG-387/U
FMWAN1056 	WR-10	77 - 87	25	Round Cover UG-387/U
FMWAN1045 	WR-12	77 - 87	10	Round Cover UG-387/U
FMWAN1046 	WR-12	77 - 87	15	Round Cover UG-387/U
FMWAN1047 	WR-12	77 - 87	20	Round Cover UG-387/U
FMWAN1048 	WR-12	77 - 87	25	Round Cover UG-387/U
FMWAN1041 	WR-12	68 - 77	10	Round Cover UG-387/U
FMWAN1042 	WR-12	68 - 77	15	Round Cover UG-387/U
FMWAN1043 	WR-12	68 - 77	20	Round Cover UG-387/U
FMWAN1044 	WR-12	68 - 77	25	Round Cover UG-387/U
FMWAN1037 	WR-15	58 - 68	10	Round Cover UG-385/U
FMWAN1038 	WR-15	58 - 68	15	Round Cover UG-385/U
FMWAN1039 	WR-15	58 - 68	20	Round Cover UG-385/U
FMWAN1040 	WR-15	58 - 68	25	Round Cover UG-385/U



Conical Gain Horns Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN1033 	WR-19	50 - 58	10	Round Cover UG-383/U-Mod
FMWAN1034 	WR-19	50 - 58	15	Round Cover UG-383/U-Mod
FMWAN1035 	WR-19	50 - 58	20	Round Cover UG-383/U-Mod
FMWAN1036 	WR-19	50 - 58	25	Round Cover UG-383/U-Mod











Wide Angle Scalar Feed Horns

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN1073 	WR-10	89 - 99	10	Round Cover UG-385/U-Mod
FMWAN1074 	WR-10	89 - 99	10	Round Cover UG-385/U-Mod
FMWAN1071 	WR-12	72 - 82	10	Round Cover UG-385/U
FMWAN1072 	WR-12	72 - 82	10	Round Cover UG-385/U
FMWAN1069 	WR-15	55 - 65	10	Round Cover UG-385/U
FMWAN1070 	WR-15	55 - 65	10	Round Cover UG-385/U




Lens Gain Horns

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN1083 	WR-10	89 - 99	34	Round Cover UG-387/U
FMWAN1085 	WR-10	89 - 99	34	Round Cover UG-387/U



Lens Gain Horns Continued

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN1084 	WR-10	89 - 99	40	Round Cover UG-387/U
FMWAN1086 	WR-10	89 - 99	40	Round Cover UG-387/U
FMWAN1079 	WR-12	72 - 82	32	Round Cover UG-387/U
FMWAN1081 	WR-12	72 - 82	32	Round Cover UG-387/U
FMWAN1080 	WR-12	72 - 82	37	Round Cover UG-387/U
FMWAN1082 	WR-12	72 - 82	37	Round Cover UG-387/U
FMWAN1075 	WR-15	55 - 65	32	Round Cover UG-385/U
FMWAN1077 	WR-15	55 - 65	32	Round Cover UG-385/U
FMWAN1076 	WR-15	55 - 65	37	Round Cover UG-385/U
FMWAN1078 	WR-15	55 - 65	37	Round Cover UG-385/U

Omni Directional

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
FMWAN1089 	WR-10	89 - 99	2	Round Cover UG-387/U
FMWAN1088 	WR-12	75 - 79	2	Round Cover UG-387/U
FMWAN1087 	WR-15	58 - 62	3.5	Round Cover UG-385/U

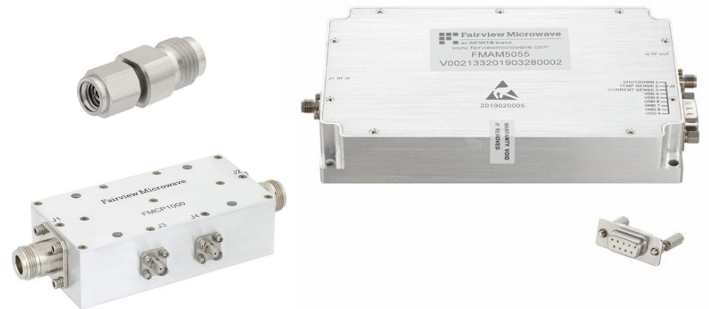
Specialty Waveguide Antennas

FM P/N	Waveguide Type	RF Frequency Range (GHz)	Gain (dB)	Flange Type
SH0118S 	Broadband	1 - 18	11 dBi	SMA Connectors
SH0118N 	Broadband	1 - 18	11 dBi	N Connectors

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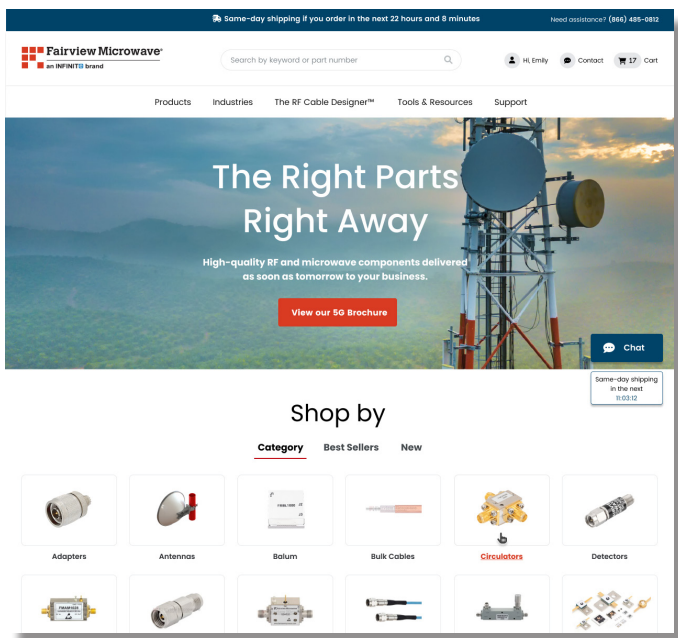


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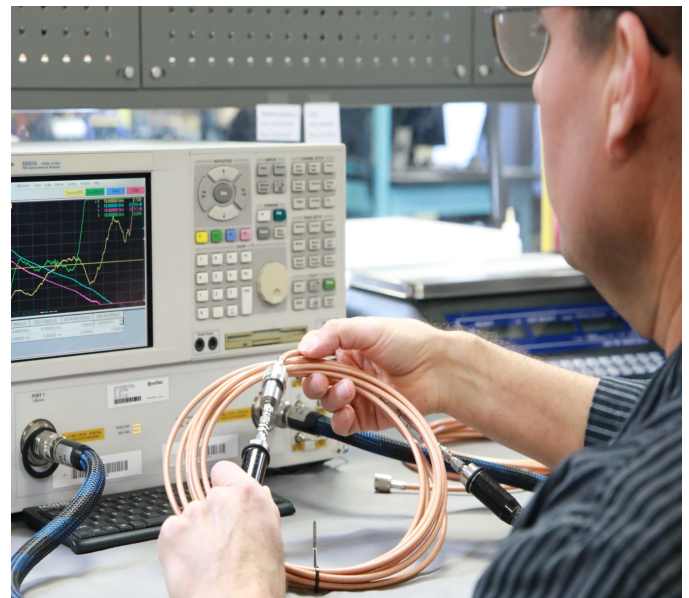
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