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SUPERSEDING

MIL-STD-1327

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MILITARY STANDARD

**FLANGES, COAXIAL AND WAVEGUIDE;
AND COUPLING ASSEMBLIES,
SELECTION OF**



FSC 5985

MIL-STD-1327A

DEPARTMENT OF DEFENSE
Washington, D.C. 20301

Flanges, Coaxial and Waveguide; and Coupling Assemblies, Selection of

MIL-STD-1327A

1. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense.

2. Recommended corrections, additions, or deletions should be addressed to Commander, Naval Electronic Systems Command, ELEX 5043, Washington, D.C. 20360.

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1. SCOPE

1.1 Scope. This standard provides standard sizes of rectangular waveguide flanges, ridged waveguide flanges, rigid air dielectric coaxial flanges, and coupling assemblies for use with subminiature waveguide flanges considered by the Department of Defense as standard for use in military equipment and applications.

1.2 Purpose. The purpose of this standard is to:

- (a) Provide the equipment designer with a list of flanges and coupling assemblies considered standard for use in military applications.
- (b) Restrict and minimize the variety of flanges and coupling assemblies for use in military applications in order to provide effective logistic support of equipment.
- (c) Establish criteria pertinent to choice and application of flanges and coupling assemblies used in military equipment.

2. REFERENCED DOCUMENTS

2.1 The issues of the following documents in effect on the date of invitation for bids form a part of this standard to the extent specified herein.

SPECIFICATIONS

MILITARY

- MIL-F-3922 - Flanges, Waveguide, General Purpose, General Specification for.
- MIL-F-24044 - Flanges, Coaxial Line, Rigid, Air Dielectric, General Specification for.
- MIL-F-39000 - Flanges, Waveguide, Ridge, General Specification for.
- MIL-C-39004 - Coupling Assemblies, Quick-disconnect, General Purpose, for Subminiature Waveguide Flanges, General Specification for.

(Copies of specifications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

3. DEFINITIONS

3.1 The terms used in this standard are those commonly encountered in microwave engineering practice.

4. GENERAL REQUIREMENTS

4.1 Selection of flanges and coupling assemblies. Flanges and coupling assemblies to be used in military applications shall be selected from those listed in tables I thru IV.

4.2 Criteria for inclusion. The criteria for the selection of flanges and coupling assemblies for inclusion in this standard are:

- (a) The flanges and coupling assemblies shall be considered by representatives of the military departments the best available type for current application.
- (b) The availability of the flanges and coupling assemblies shall be reasonably certain.
- (c) The flanges and coupling assemblies shall have an approved military specification.

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4.3 Electrical and physical tolerances. Flanges and coupling assemblies used in military applications shall be representative of manufactured lots possessing acceptable material and physical and electrical characteristics and shall in no manner degrade the operational characteristics of the equipment in which used.

5. DETAILED REQUIREMENTS

5.1 Detailed requirements. The detailed requirements for flanges and coupling assemblies listed in this standard are covered by the applicable MIL-F-3922, MIL-F-24044, MIL-F-39000 or MIL-C-39004 specification sheet.

6. NOTES (Not applicable).

TABLE I. Rectangular waveguide flanges.

Part number	AN nomenclature UG-()/U	Material 1/	Frequency range (GHz)	Mating Flange		Used with waveguide	
				MIL-F-3922/ ()	UG-()/U	MIL-N-85/1- ()	RG-()/U
MIL-F-3922/52 Flanges, Waveguide (Pressurizable Contact)							
M5922/52-001	1714	Cu	1.12-1.70	52-001	1714	015, 017	---, 69
002	1720	AL	1.12-1.70	52-002	1720	018, 019, 168	103, ---
003	1715	Cu	1.45-2.20	52-003	1715	021, 023	---, 337
004	1717	AL	1.45-2.20	52-004	1717	025, 026, 169	338, ---
005	1716	Cu	1.70-2.60	52-005	1716	027, 031	---, 104
006	1711	AL	1.70-2.60	52-006	1711	029, 030, 170	105, ---
007	1712	Cu	2.20-3.30	52-007	1712	033, 037	---, 112
008	1713	AL	2.20-3.30	52-008	1713	035, 036, 171	113, ---
009	1724	Cu	2.60-3.95	52-009	1724	039, 043	---, 48
010	1725	AL	2.60-3.95	52-010	1725	041, 042, 172	75, ---
011	1726	Cu	3.30-4.90	52-011	1726	045, 049	---, 340
012	1727	AL	3.30-4.90	52-012	1727	047, 048, 173	341, ---
013	1728	Cu	3.95-5.85	52-013	1728	051, 055	---, 49
014	1729	AL	3.95-5.85	52-014	1729	053, 054, 174	95, ---
015	1730	Cu	4.90-7.05	52-015	1730	057, 061	---, 343
016	1731	AL	4.90-7.05	52-016	1731	059, 060, 175	344, ---
017	1732	Cu	5.85-8.20	52-017	1732	063, 067	---, 50
018	1733	AL	5.85-8.20	52-018	1733	065, 066, 176	106, ---
019	1734	Cu	7.05-10.0	52-019	1734	069, 073	---, 51
020	1735	AL	7.05-10.0	52-020	1735	071, 072, 177	68, ---
021	1736	Cu	8.2-12.40	52-021	1736	075, 079	---, 52
022	1737	AL	8.2-12.40	52-022	1737	077, 078, 178	67, ---
023	1362	Cu	1.12-1.70	52-023	1362	015, 017	---, 69
024	1343	AL	1.12-1.70	52-024	1343	018, 019, 168	103, ---
025	1718	Cu	1.45-2.20	52-025	1718	021, 023	---, 337
026	1719	AL	1.45-2.20	52-026	1719	025, 026, 169	338, ---
027	1344	Cu	1.70-2.60	52-027	1344	027, 031	---, 104
028	1345	AL	1.70-2.60	52-028	1345	029, 030, 170	105, ---
029	1346	Cu	2.20-3.30	52-029	1346	033, 037	---, 112
030	1347	AL	2.20-3.30	52-030	1347	035, 036, 171	113, ---
031	1348	Cu	2.60-3.95	52-031	1348	039, 043	---, 48
032	1349	AL	2.60-3.95	52-032	1349	041, 042, 172	75, ---
033	1350	Cu	3.30-4.90	52-033	1350	045, 049	---, 340
034	1351	AL	3.30-4.90	52-034	1351	047, 048, 173	341, ---

See footnote at end of table.

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TABLE I. Rectangular waveguide flanges. - Continued

Part number	AN nomenclature UG-()/U	Material	Frequency range (GHz)	Mating flange		Used with waveguide
				MIL-F-3922/	UG-()/U	
MIL-F-3922/52 Flanges, Waveguide (Pressurizable Contact) - Continued						
M3922/52-035	1352	Cu	3.95-5.85	52-035	1352	051, 055 ---, 49
036	1353	AL	3.95-5.85	52-036	1353	053, 054, 174 95, ---, ---
037	1354	Cu	4.90-7.05	52-037	1354	057, 061 ---, 343
038	1355	AL	4.90-7.05	52-038	1355	059, 060, 175 344, ---, ---
039	1356	Cu	5.85-8.20	52-039	1356	063, 067 ---, 50
040	1357	AL	5.85-8.20	52-040	1357	065, 066, 176 106, ---, ---
041	1358	Cu	7.05-10.0	52-041	1358	069, 073 ---, 51
042	1359	AL	7.05-10.0	52-042	1359	071, 072, 177 68, ---, ---
043	1360	Cu	8.20-12.4	52-043	1360	075, 079 ---, 52
044	1361	AL	8.20-12.4	52-044	1361	077, 078, 178 67, ---, ---
MIL-F-3922/53 Flanges, Waveguide (Cover) (Square, 4 Hole) (Circular Back)						
M3922/53-001	39	Cu	8.20-12.4	59-006	40B	075, 079 ---, 52
002	51	Cu	7.05-10.0	59-007	52B	069, 073 ---, 51
003	135	AL	8.20-12.4	59-008	136B	077, 078, 178 67, ---, ---
004	138	AL	7.05-10.0	59-009	137B	071, 072, 177 68, ---, ---
005	419	Cu	12.4-18.0	59-001	541A	087, 089, 093 ---, 91, 107
006	1665	AL	12.4-18.0	59-002	1666	090, 091, 180 349, ---, ---
007	---	Cu	10.0-15.0	59-010	---	081, 085 ---, 346
008	---	AL	10.0-15.0	59-011	---	083, 084, 179 347, ---, ---
009	---	Cu	8.2-12.4	59-006	40B	075, 079 ---, 52
010	---	AL	8.2-12.4	59-008	136B	077, 078, 178 67, ---, ---
011	---	Cu	12.4-18.0	59-001	541A	087, 089, 093 ---, 91, 107
012	---	AL	12.4-18.0	59-002	1666	090, 091, 180 349, ---, ---
013	---	Cu	10.0-15.0	59-010	---	081, 085 ---, 346
014	---	AL	10.0-15.0	59-011	---	083, 084, 179 347, ---, ---
MIL-F-3922/54 Flanges, Waveguide (Cover) (Square, 4 Hole)						
M3922/54-001	595	Cu	18.0-26.5	59-003	596A	100, 102, 106 ---, 53, 66
002	597	AL	18.0-26.5	59-004	598A	103, 104, 182 121, ---, ---
003	599	Cu	26.5-40.0	59-005	600A	MIL-W-85/3- 006, 007, 008 96, ---, 271
004	1530	Cu	22.0-33.0	54-004	1530	107, 109, 113 ---, 354, 357

See footnote at end of table.

TABLE I. Rectangular waveguide flanges. - Continued

Part number	AN nomenclature UG-()/U	Material 1/	Frequency range (GHz)	Mating flange		Used with waveguide
				MIL-F-3922/ ()	UG-()/U	
MIL-F-3922/55 Flanges, Waveguide (Cover) (Round, 6 Hole)						
M3922/55-001	344	Cu	5.85-8.20	60-001	343B	063, 067
M3922/55-002	441	AL	5.85-8.20	60-002	440B	065, 066, 176
MIL-F-3922/56 Flanges, Waveguide (Cover) (Round, 8 Hole)						
M3922/56-001	53	Cu	2.60-3.95	61-002	54B	039, 043
M3922/56-002	584	AL	2.60-3.95	61-001	585A	041, 042, 172
MIL-R-3922/57 Flanges, Waveguide (Cover) (Round, 8 Hole)						
M3922/57-001	407	AL	3.95-5.85	62-001	406B	053, 054, 174
M3922/57-002	149A	Cu	3.95-5.85	62-002	148C	051, 055
MIL-F-3922/58 Flanges, Waveguide (Contact) (Rectangular, 10 Hole)						
M3922/58-007	417B	Cu	1.12-1.70	58-007	417B	055, 017
M3922/58-008	418B	AL	1.12-1.70	58-008	418B	018, 019, 168
M3922/58-009	435B	Cu	1.70-2.60	58-009	435B	027, 031
M3922/58-010	437B	AL	1.70-2.60	58-010	437B	029, 030, 170
M3922/58-011	553A	Cu	2.20-3.30	58-011	553A	033, 037
M3922/58-012	554A	AL	2.20-3.30	58-012	554A	035, 036, 171
MIL-F-3922/59 Flanges, Waveguide (Choke) (Square, 4 Hole)						
M3922/59-001	541A	Cu	12.4-18.0	53-005	419	087, 089, 093
M3922/59-002	1666	AL	12.4-18.0	53-006	1665	090, 091, 180
M3922/59-003	596A	Cu	18.0-26.5	54-001	595	100, 102, 106
M3922/59-004	598A	AL	18.0-26.5	54-002	597	103, 104, 182
M3922/59-005	600A	Cu	26.5-40.0	54-003	599	MIL-W-85/3-
M3922/59-006	408	Cu	8.20-12.4	53-001	39	006, 007, 008
						075, 079
						91, 107
						349, ---, ---
						---, 53, 66
						121, ---, ---
						96, ---, 271
						---, 52

See footnote at end of table.

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TABLE I. Rectangular waveguide flanges. - Continued

Part number	AN nomenclature UG-()/U	Material 1/	Frequency range (GHz)	Mating flange		Used with waveguide	
				MIL-F-3922/ ()	UG-()/U	MIL-W-85/1-()	RG-()/U
MIL-F-3922/59 Flanges, Waveguide (Choke) (Square, 4 Hole) - Continued							
M3922/59-007	52B	Cu	7.05-10.0	53-002	51	069, 073	---, 51
008	136B	AL	8.20-12.40	53-003	135	077, 078, 178	67, ---, ---
009	137B	AL	7.05-10.0	53-004	138	071, 072, 177	68, ---, ---
010	---	Cu	10.0-15.0	53-007	---	081, 085	---, 346
011	---	AL	10.0-15.0	53-008	---	083, 084, 179	347, ---, ---
012	---	Cu	26.5-40.0	54-003	599	006, 007, 008	96, ---, 271
MIL-F-3922/60 Flanges, Waveguide (Choke) (Round, 6 Hole)							
M3922/60-001	343B	Cu	5.85-8.20	55-001	344	063, 067	---, 50
002	440B	AL	5.85-8.20	55-002	441	065, 066, 176	106, ---, ---
MIL-F-3922/61 Flanges, Waveguide (Choke) (Round, 8 Hole)							
M3922/61-001	585A	AL	2.60-3.95	56-002	584	041, 042, 172	75, ---, ---
002	54B	Cu	2.60-3.95	56-001	53	034, 043	---, 48
MIL-F-3922/62 Flanges, Waveguide (Choke) (Round, 8 Hole)							
M3922/62-001	406B	AL	3.95-5.85	57-001	407	053, 054, 174	95, ---, ---
002	148C	Cu	3.95-5.85	57-002	149	051, 055	---, 49
MIL-F-3922/63 Flanges, Waveguide (Miniature, Unpressurized Contact) (8 Hole)							
M3922/63-001	1475	Cu	3.95-5.85	63-001	1475	051, 055	---, 49
002	1476	Cu	5.85-8.20	63-002	1476	063, 067	---, 50
003	1477	Cu	7.05-10.0	63-003	1477	069, 073	---, 51
004	1478	Cu	8.20-12.4	63-004	1478	075, 079	---, 52
005	1480	AL	3.95-5.85	63-005	1480	053, 054, 174	95, ---, ---

See footnote at end of table.

TABLE I. Rectangular waveguide flanges. - Continued

Part number	AN nomenclature UG-()/U	Material 1/	Frequency range (GHz)	Mating flange		Used with waveguide	
				MIL-F-3922/ ()	UG-()/U	MIL-W-85/1-()	RG-()/U
MIL-F-3922/63 Flanges, Waveguide (Miniature, Unpressurized Contact) (8 Hole) - Continued							
M3922/63-006	1481	AL	5.85-8.20	63-006	1481	065, 066, 176	106, ---, ---
007	1482	AL	7.05-10.0	63-007	1482	071, 072, 177	68, ---, ---
008	1483	AL	8.20-12.40	63-008	1483	077, 078, 178	67, ---, ---
MIL-F-3922/64 Flanges, Waveguide (Miniature, Unpressurized Contact) (6 Through Hole, 6 Tapped Hole)							
M3922/64-001	1479	Cu	2.60-3.95	64-001	1479	039, 043	---, 48
002	1484	AL	2.60-3.95	64-002	1484	041, 042, 172	75, ---, ---
MIL-F-3922/65 Flanges, Waveguide (Contact) (Round, 4 Hole)							
M3922/65-001	1521	Cu	33.0-50.0	65-001	1521	MIL-W-85/3-010, 011, 012	97, ---, 272
002	1529	Cu	40.0-60.0	65-002	1529	MIL-W-85/3-014, 015, 016	---, ---, 358
MIL-F-3922/66 Flanges, Waveguide (Contact) (Round, 8 Hole)							
M3922/66-001	1522	Cu	60.0-90.0	66-001	1522	MIL-W-85/3-020, 021, 022	99, ---, 274
002	1523	Cu	50.0-75.0	66-002	1523	017, 018, 019	98, ---, 273
003	1524	Cu	140.0-220.0	66-003	1524	047, 048, 049	---, ---, 275
004	1525	Cu	110.0-170.0	66-004	1525	044, 045, 046	---, ---, 276
005	1526	Cu	170.0-260.0	66-005	1526	050, 051, 052	---, ---, 277
006	1527	Cu	90.0-140.0	66-006	1527	041, 042, 043	---, ---, 278
007	1528	Cu	75.0-110.0	66-007	1528	023, 024, 025	---, ---, 359
MIL-F-3922/67 Flanges, Waveguide (Cover) (Round, 4 Hole)							
M3922/67-001	383	Cu	33.0-50.0	67-001	383	MIL-W-85/3-010, 011, 012	97, ---, 272
002	385	Cu	50.0-75.0	67-002	385	MIL-W-85/3-017, 018, 019	98, ---, 273
003	387	Cu	60.0-90.0	67-003	387	MIL-W-85/3-020, 021, 022	99, ---, 274

See footnote at end of table.

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TABLE I. Rectangular waveguide flanges. - Continued

Part number	AN nomenclature UG-()/U	Material 1/	Frequency range (Ghz)	Mating flange		Used with waveguide	
				MIL-F-3922/ ()	UG-()/U	MIL-W-85/1-()	RG-()/U
MIL-F-3922/68 Flanges, Waveguide Cover (Butt Mount) (Square, 4 Hole)							
M3922/68-001	---	Cu	26.5-40.0	59-005, 012	600A	MIL-W-85/3-006, 007, 008	96, ---, 271
002	---	Cu	26.5-40.0	68-001, 54-003	---	006, 007, 008	96, ---, 271
003	---	Cu	26.5-40.0	68-001, 54-003	---	006, 007, 008	96, ---, 271
MIL-F-3922/69 Flanges, Waveguide (Choke) (Square, 4 Hole)							
M3922/69-001	1494	Cu	7.0-11.0	70-001	1493	155, 156	320, ---
002	---	6061	7.0-11.0	70-002, 003	---	157, 158, 160	---, ---, ---
003	---	6063	7.0-11.0	70-002, 003	---	157, 158, 160	---, ---, ---
004	---	Cu	15.0-22.0	70-010	---	094, 096	352, 353
005	---	6061	15.0-22.0	70-011, 012	---	097, 098, 181	351, ---, ---
006	---	6063	15.0-22.0	70-011, 012	---	097, 098, 181	351, ---, ---
MIL-F-3922/70 Flanges, Waveguide (Cover) (Square, 4 Hole, Butt Mount)							
M3922/70-001	1493	Cu	7.0-11.0	69-001	1494	155, 156	320, ---
002	---	6061	7.0-11.0	69-002, 003	---	157, 158, 160	---, ---, ---
003	---	6063	7.0-11.0	69-002, 003	---	157, 158, 160	---, ---, ---
004	---	Cu	10.0-15.0	59-010	---	081, 085	---, 346, ---
005	---	6061	10.0-15.0	59-011	---	083, 084, 179	347, ---, ---
006	---	6063	10.0-15.0	59-011	---	083, 084, 179	347, ---, ---
007	---	Cu	12.4-18.0	59-001	541A	087, 089, 093	---, 91, 107
008	---	6061	12.4-18.0	59-002	1666	090, 091, 180	349, ---, ---

See footnote at end of table.

TABLE I. Rectangular waveguide flanges. - Continued

Part number	AN nomenclature UG-()/U	Material 1/	Frequency range (GHz)	Mating flange		Used with waveguide	
				MIL-F-3922/ ()	UG-()/U	MIL-W-85/1- ()	RG-()/U
MIL-F-3922/70 Flanges, Waveguide (Cover) (Square, 4 Hole, Butt Mount)							
M3922/70-009	---	6063	12.4-18.0	59-002	1666	090, 091, 180	349, ---, ---
010	---	Cu	15.0-22.0	69-004	---	094, 096	352, 353
011	---	6061	15.0-22.0	69-005	---	097, 098, 181	351, ---, ---
012	---	6063	15.0-22.0	69-005	---	097, 098, 181	351, ---, ---
013	---	Cu	7.0-11.0	69-001	1494	155, 156	320, ---, ---
014	---	6061	7.0-11.0	69-002, 003	---	157, 158, 160	---
015	---	6063	7.0-11.0	69-002, 003	---	157, 158, 160	---
016	---	Cu	10.0-15.0	59-010	---	081, 085	---
017	---	6061	10.0-15.0	59-011	---	083, 084, 179	347, ---, ---
018	---	6063	10.0-15.0	59-011	---	083, 084, 179	347, ---, ---
019	---	Cu	12.4-18.0	59-001	541A	087, 089, 093	---
020	---	6061	12.4-18.0	59-002	1666	090, 091, 180	349, ---, ---
021	---	6063	12.4-18.0	59-002	1666	090, 091, 180	349, ---, ---
022	---	Cu	15.0-22.0	69-004	---	094, 096	352, 353
023	---	6061	15.0-22.0	69-005, 006	---	097, 098, 181	351, ---, ---
024	---	6063	15.0-22.0	69-005, 006	---	097, 098, 181	351, ---, ---

1/ Cu = Copper alloy; AL = aluminum or aluminum alloy; 6061 = aluminum alloy 6061; 6063 = aluminum alloy 6063.

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TABLE II. Rigid, air dielectric coaxial flanges.

Part number M24044/()	Type CG-()/U	Function	Used with coaxial line
1-01	3030	Fixed	50 Ohm 7/8 Copper
1-02	3006	Fixed	50 Ohm 7/8 Aluminum
1-03	3007	Fixed	75 Ohm 7/8 Copper
1-04	3008	Fixed	75 Ohm 7/8 Aluminum
1-05	3032	Fixed	50 Ohm 1-5/8 Copper
1-06	3012	Fixed	50 Ohm 1-5/8 Aluminum
1-07	3013	Fixed	75 Ohm 1-5/8 Copper
1-08	3014	Fixed	75 Ohm 1-5/8 Aluminum
1-09	3018	Fixed	50 Ohm 3-1/8 Copper
1-10	3020	Fixed	50 Ohm 3-1/8 Aluminum
1-11	3019	Fixed	75 Ohm 3-1/8 Copper
1-12	3021	Fixed	75 Ohm 3-1/8 Aluminum
1-13	3026	Fixed	50 Ohm 6-1/8 Copper
1-14	3027	Fixed	50 Ohm 6-1/8 Aluminum
2-01	3031	Rotatable	50 Ohm 7/8 Copper
2-02	3009	Rotatable	50 Ohm 7/8 Aluminum
2-03	3010	Rotatable	75 Ohm 7/8 Copper
2-04	3011	Rotatable	75 Ohm 7/8 Aluminum
2-05	3033	Rotatable	50 Ohm 1-5/8 Copper
2-06	3015	Rotatable	50 Ohm 1-5/8 Aluminum
2-07	3016	Rotatable	75 Ohm 1-5/8 Copper
2-08	3017	Rotatable	75 Ohm 1-5/8 Aluminum
2-09	3022	Rotatable	50 Ohm 3-1/8 Copper
2-10	3024	Rotatable	50 Ohm 3-1/8 Aluminum
2-11	3023	Rotatable	75 Ohm 3-1/8 Copper
2-12	3025	Rotatable	75 Ohm 3-1/8 Aluminum
2-13	3028	Rotatable	50 Ohm 6-1/8 Copper
2-14	3029	Rotatable	50 Ohm 6-1/8 Aluminum

TABLE III. Ridge waveguide flanges.

Part number M39000/()	Type UG-()/U	Used with waveguide	Material 1/	Frequency range (GHz)
Single ridge (bandwidth ratio 2.4:1)				
1-001	1541	WRS840U24A	A	.840-2.00
1-002	1542	WRS840U24B	B	.840-2.00
1-004	1544	WRS150D24A	A	1.50-3.60
1-005	1545	WRS150D24B	B	1.50-3.60
1-007	1547	WRS200D24A	A	2.00-4.80
1-008	1548	WRS200D24B	B	2.00-4.80
1-010	1550	WRS350D24A	A	3.50-8.20
1-011	1551	WRS350D24B	B	3.50-8.20
1-013	1553	WRS475D24A	A	4.75-11.0
1-014	1554	WRS475D24B	B	4.75-11.0
1-016	1556	WRS750D24A	A	7.50-18.0
1-017	1557	WRS750D24B	B	7.50-18.0
1-019	1559	WRS110C24A	A	11.0-26.5
1-020	1560	WRS110C24B	B	11.0-26.5
1-022	1562	WRS180C24A	A	18.0-40.0
1-023	1563	WRS180C24B	B	18.0-40.0
Single ridge (bandwidth ratio 3.6:1)				
2-001	1604	WRS970U36A	A	0.97-3.50
2-002	1605	WRS970U36B	B	0.97-3.50
2-004	1607	WRS140D36A	A	1.40-5.00
2-005	1608	WRS140D36B	B	1.40-5.00
2-007	1610	WRS350D36A	A	3.50-12.4
2-008	1611	WRS350D36B	B	3.50-12.4
2-010	1613	WRS500D36A	A	5.00-18.0
2-011	1614	WRS500D36B	B	5.00-18.0
2-013	1616	WRS124C36A	A	12.4-40.0
2-014	1617	WRS124C36B	B	12.4-40.0
Double ridge (bandwidth ratio 2.4:1)				
3-001	1565	WRD840U24A	A	0.84-2.00
3-002	1566	WRD840U24B	B	0.84-2.00
3-004	1568	WRD150D24A	A	1.50-3.60
3-005	1569	WRD150D24B	B	1.50-3.60
3-007	1571	WRD200D24A	A	2.00-4.80
3-008	1572	WRD200D24B	B	2.00-4.80
3-010	1574	WRD350D24A	A	3.50-8.20
3-011	1575	WRD350D24B	B	3.50-8.20
3-013	1577	WRD475D24A	A	4.75-11.0
3-014	1578	WRD475D24B	B	4.75-11.0
3-016	1580	WRD750D24A	A	7.50-18.0
3-017	1581	WRD750D24B	B	7.50-18.0
3-019	1583	WRD110C24A	A	11.0-26.5
3-020	1584	WRD110C24B	B	11.0-26.5
3-022	1586	WRD180C24A	A	18.0-40.0
3-023	1587	WRD180C24B	B	18.0-40.0

See footnote at end of table.

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TABLE III. Ridge waveguide flanges. - Continued

Part number M39000/()	Type UG-()/U	Used with waveguide	Material 1/	Frequency range (GHz)
Double ridge (bandwidth ratio 3.6:1)				
4-001	1589	WRD970U36A	A	0.97-3.50
4-002	1590	WRD970U36B	B	0.97-3.50
4-004	1592	WRD140D36A	A	1.40-5.00
4-005	1593	WRD140D36B	B	1.40-5.00
4-007	1595	WRD350D36A	A	3.50-12.40
4-008	1596	WRD350D36B	B	3.50-12.40
4-010	1598	WRD500D36A	A	5.00-18.00
4-011	1599	WRD500D36B	B	5.00-18.00
4-013	1601	WRD124C36A	A	12.4-40.0
4-014	1602	WRD124C36B	B	12.4-40.0

1/ A = Aluminum alloy; B = Brass.

TABLE IV. Coupling assemblies, quick-disconnect, for use with
subminiature waveguide flanges.

Part number M39004/()	Used with flanges	
	UG-()/U	MIL-F-3922/()
1-001	419	53-005
	541A	59-001
1-002	595	54-001
	596A	59-003
	1530	54-004
1-003	599	54-003
	600A	59-005
1-004	1521	65-001
	1529	65-002
1-005	1522	66-001
	1523	66-002
	1524	66-003
	1525	66-004
	1526	66-005
	1527	66-006
	1528	66-007

Custodians:

Army - EL
Navy - EC
Air Force - 85

Preparing activity:

Navy - EC

Agent:

DSA - ES

Review activities:

Army - EL, MU, MI
Navy - OS
Air Force - 11, 17, 80
DSA - ES

(Project 5985-0802)

User activities:

Army - AV
Navy - OS, MC, CG, SH, AS
Air Force - 19