

RECTANGULAR WAVEGUIDES & FLANGES

TYPE BL. W-ESC	E.L.A ESMV.	FORMER DASH NO.	PART DASH NO. MSS/1	FREQUENCY RANGE GHz	MATERIAL	INSIDE DIMENSION	TOL.:		OUTSIDE DIMENSION	TOL.:		WALL THICKNESS (Nominal)	APPROX. WT. PER FOOT	COVER FLANGE TYPE	ORIG. FLANGE TYPE	CONTACT FLANGE TYPE	NON-PRESS CONTACT FLANGE TYPE	PRESS. CONTACT FLANGE					
							STD.	PREC.		STD.	PREC.							GROOVED	FLAT FACE				
RG171/U	WR42	A1121 A2121	103 104	18.00-24.30	1100 Al 6061 Al	.420 x .170	.002	.001	.500 x .230	.003	.001	.040	.045	UG397/U	UG398A/U								
RG271/U	WR28	C3S1271	117	26.50-40.00	Bronze	.280 x .140	.0015	.001	.340 x .220	.002	.001	.040	.153	UG399/U	UG408A/U								
RG272/U	WR22	C2S1272 C3S1272	119 121	33.00-50.00	Copper Bronze	.224 x .112	.001	.001	.304 x .192	.002	.001	.040	.129 .128	UG383/U									
RG273/U	WR15	C1S1273 C3S1273	126 128	50.00-75.00	Copper Bronze	.148 x .074	.001	.001	.228 x .154	.002	.001	.040	.084 .083	UG385/U									
RG274/U	WR12	C1S1274 C3S1274	130 132	40.00-90.00	Copper Bronze	.122 x .061	.0005	.0005	.202 x .141	.002	.001	.040	.086 .081	UG387/U									
RG275/U	WR6	C1S1275 C3S1275	142 144	140.00-220.00	Copper Bronze	.051 x .0255	.00028	.00028	.111 x .0855	.002	.001	.030	.032 .031			UG1524/U							
RG276/U	WR6	C1S1276 C3S1276	139 141	110.00-170.00	Copper Bronze	.065 x .0325	.00025	.00025	.125 x .0925	.002	.001	.030	.037 .038			UG1525/U							
RG277/U	WR4	C1S1277 C3S1277	145 147	170.00-260.00	Copper Bronze	.043 x .0215	.0002	.0002	.103 x .0815	.002	.001	.030	.029 .028			UG1526/U							
RG278/U	WR8	C1S1278 C3S1278	136 138	90.00-140.00	Copper Bronze	.080 x .040	.0003	.0003	.140 x .100	.002	.001	.030	.042 .041			UG1527/U							
RG279/U	WR3			220.00-325.00	Copper Bronze	.034 x .017	.0002	.0002	.094 x .077	.002	.001	.030	.028 .026										
RG320/U	WR102	C3320	156	7.00-11.00	Bronze Aluminum	1.620 x .510	.005	.002	1.148 x .638	.005	.002	.064	.83 .77	UG1493/U	UG1494/U								
RG337/U	WR510	C1337 C3337	021 023	1.45-2.20	Copper Bronze	5.100 x 2.550	.005		5.260 x 2.710	.005		.080	4.848 4.798					UG1718/U	UG1715/U				
RG338/U	WR510	M1338 A2338	025 026	1.45-2.20	1100 Al 6061 Al	5.100 x 2.550	.005		5.260 x 2.710	.005		.080	1.482					UG1719/U	UG1717/U				
RG340/U	WR229	C1340 C3340	045 049	3.30-4.90	Copper Bronze	2.290 x 1.145	.005	.003	2.418 x 1.273	.005	.003	.064	1.748							CMB229	UG1358/U	UG1726/U	
RG341/U		A1341 A2341	047 048		1100 Al 6061 Al								.533								UG1351/U	UG1727/U	
RG343/U	WR159	C1343 C3343	057 061	4.90-7.05	Copper Bronze	1.590 x .795	.004	.002	1.718 x .923	.004	.002	.064	1.247								CMB159	UG1354/U	UG1730/U
RG344/U		A1344 A2344	059 060		1100 Al 6061 Al								1.227									UG1355/U	UG1731/U
RG346/U	WR75	C1346 C3346	081 085	10.00-15.00	Copper Bronze	.750 x .375	.003	.001	.850 x .475	.003	.001	.05	.475	WR75	WR75								
RG347/U		A1347 A2347	083 084		1100 Al 6061 Al								.747										
RG349/U	WR62	A1349 A2349	090 091	12.40-18.00	1100 Al 6061 Al	.472 x .311	.002	.0015	.702 x .391	.003	.002	.040	.097	UG1463/U	UG1464/U								
RG351/U	WR51	A1354 A2354	097 098	15.00-22.00	1100 Al 6061 Al	.510 x .255	.0025	.0025	.590 x .335	.003	.0025	.040	.084	WR51	WR51								
RG352/U		C1352 C3352	094 096		Copper Bronze								.262 .258										
RG354/U	WR34	C1354 C3354	107 109	22.00-33.00	Copper Bronze	.340 x .170	.002	.001	.470 x .250	.003	.001	.040	.183	UG1530/U									
RG353/U		A1355 A2355	110 111		1100 Al 6061 Al								.181										
RG357/U		C3S1357	113		Silver								.055										
RG358/U	WR19	C1S1358 C3S1358	122 124	40.00-60.00	Copper Bronze	.188 x .094	.001	.001	.268 x .174	.002	.001	.040	.112 .111			UG1529/U							
RG359/U	WR10	C1S1359 C3S1359	133 135	75.00-110.00	Copper Bronze	.100 x .050	.0005	.0015	.180 x .130	.002	.001	.040	.071 .070			UG1528/U							
RG375/U Heavy Wall	WR284	RE-C2887840		2.80-3.95	1100Al 6061Al	2.84 x 1.34	.005	.003	3.238 x 1.738	.005	.003	.190	2.132	UG584/U Modified	UG585A/U Modified			Special	Special				

INTERNATIONAL TELECOMMUNICATION COMPONENTS, INC.

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RECTANGULAR WAVEGUIDES & FLANGES

TYPE BL. W. ESC	E.L.A EQRY.	FORMER DASH NO.	PART DASH NO. MBS/U	FREQUENCY RANGE GHz	MATERIAL	INSIDE DIMENSION	TOL.:		OUTSIDE DIMENSION	TOL.:		WALL THICKNESS (Nominal)	APPROX. WT. PER FOOT	COVER FLANGE TYPE	CHOKE FLANGE TYPE	CONTACT FLANGE TYPE	NON-PRESS. CONTACT FLANGE TYPE	PRESS. CONTACT FLANGE	
							STD.	PREC.		STD.	PREC.							GROOVED	FLAT FACE
EG44/U	WR284	C148 C34J	039 043	2.60-3.75	Copper Bronze	2.84 x 1.34	.005	.003	3.00 x 1.50	.005	.003	.080	2.491 2.453	UG53/U	UG548/U	UG45/U UG66/U	UG1479/U CME284	UG1348/U CPR284G	UG1724/U CPR284F
EG49/U	WR187	C149 C34B	051 055	3.95-5.85	Copper Bronze	1.872 x .872	.005	.003	2.00 x 1.00	.005	.003	.064	1.424 1.402	UG149A/U	UG148C/U		UG1475/U CME187	UG1352/U CPR187G	UG1728/U CPR187F
EG50/U	WR137	C150 C350	043 047	5.85-8.20	Copper Bronze	1.372 x .622	.004	.002	1.50 x .750	.004	.002	.064	1.052 1.036	UG344/U	UG343B/U	UG150/U	UG1474/U CME137	UG1354/U CPR137G	UG1732/U CPR137F
EG51/U	WR112	C151 C351	049 073	7.05-10.00	Copper Bronze	1.122 x .497	.004	.0015	1.250 x .625	.004	.0015	.064	.864 .852	UG51/U	UG528/U		UG1477/U CME112	UG1358/U CPR112G	UG1734/U CPR112F
EG52/U	WR90	C152 C352	075 079	8.20-12.40	Copper Bronze	.900 x .400	.003	.001	1.00 x .500	.003	.001	.050	.542 .533	UG39/U	UG408/U		UG1478/U CME90	UG1360/U CPR90G	UG1736/U CPR90F
EG53/U	WR42	C153 C353	100 102	18.00-26.50	Copper Bronze	.420 x .170	.002	.001	.500 x .250	.003	.002	.040	.204 .203	UG595/U	UG596A/U	UG425/U			
EG64/U	WR42	S288	104	18.00-26.50	Silver	.420 x .170	.002		.500 x .250	.003		.040	3.2 oz.	UG595/U	UG596A/U	UG425/U			
EG67/U	WR90	A187 A287	077 078	8.20-12.40	1100 Al 6061 Al	.900 x .400	.003	.001	1.00 x .500	.003	.001	.050	.165	UG135/U	UG1368/U		UG1483/U CME90	UG1361/U CPR90G	UG1737/U CPR90F
EG68/U	WR112	A188 A288	071 072	7.05-10.00	1100 Al 6061 Al	1.122 x .497	.004	.002	1.250 x .625	.004	.002	.064	.26	UG138/U	UG1378/U		UG1482/U CME112	UG1359/U CPR112G	UG1735/U CPR112F
EG75/U	WR284	A175 A275	041 042	2.60-3.95	1100 Al 6061 Al	2.84 x 1.34	.005	.003	3.00 x 1.50	.005	.003	.080	.83	UG584/U	UG585A/U		UG1484/U CME284	UG1349/U CPR284G	UG1725/U CPR284F
EG91A/B	WR42	C191 C391	087 089	12.40-18.00	Copper Bronze	.622 x .311	.002	.001	.702 x .391	.003	.001	.040	.313 .308	UG419/U	UG541A/U				
EG95/U	WR187	A195 A295	053 054	3.95-5.85	1100 Al 6061 Al	1.872 x .872	.005	.002	2.00 x 1.00	.005	.002	.064	.44	UG407/U	UG4088/U		UG1480/U CME187	UG1353/U CPR187G	UG1729/U CPR187F
RG95/U Heavy Wall	WR187			3.95-5.85	1100Al 6061Al	1.872 x .872	.005	.002	2.172 x 1.172	.005	.002	.150	1.07	UG407/U Modified	UG4088/U Modified				
EG94/U	WR28	S296	114	26.50-40.00	Silver	.280 x .140	.0015	.001	.360 x .220	.002	.002	.040	2.5 oz.	UG599/U	UG600A/U				
EG97/U	WR22	S297	118	33.00-50.00	Silver	.224 x .112	.001	.001	.304 x .192	.002	.001	.040	2 oz.	UG383/U		UG1521/U			
EG98/U	WR15	S298	125	50.00-75.00	Silver	.148 x .074	.001	.001	.228 x .154	.002	.001	.040	1.5 oz.	UG383/U		UG1523/U			
EG99/U	WR12	S299	129	60.00-90.00	Silver	.122 x .061	.0005	.0005	.202 x .141	.002	.0005	.040	1.33 oz.	UG387/U		UG1522/U			
EG103/U	WR650	A1103 A2103	018 019	1.12-1.70	1100 Al 6061 Al	6.500 x 3.250	.010		6.660 x 3.410	.010		.080	1.902				UG418A/U	UG1343/U	UG1720/U
EG104/U	WR430	C1104 C3104	027 031	1.70-2.60	Copper Bronze	4.300 x 2.150	.008	.006	4.460 x 2.310	.008	.006	.080	4.099 4.036				UG435A/U	UG1344/U	UG1716/U
EG105/U	WR430	A1105 A2105	029 030	1.70-2.60	1100 Al 6061 Al	4.300 x 2.150	.008	.006	4.460 x 2.310	.008	.006	.080	1.267				UG437A/U	UG1345/U	UG1711/U
EG106/U	WR137	A1106 A2106	045 046	5.85-8.20	1100 Al 6061 Al	1.372 x .622	.004	.002	1.500 x .750	.004	.002	.064	.324	UG441/U	UG4408/U		UG1481/U CME137	UG1357/U CPR137G	UG1733/U CPR137F
EG107/U	WR42	S2107	093	12.40-18.00	Silver	.622 x .311	.002	.001	.702 x .391	.003	.002	.040	4.5 oz.	UG419/U	UG541A/U				
EG109/U	WR284	C3109	153	2.60-3.95	Copper Bronze	2.840 x 1.004	.005	.004	3.000 x 1.164	.005	.004	.080	2.483 2.445				UG509/U UG510/U		
EG110/U	WR137	C3110	154	5.85-8.20	Copper Bronze	1.372 x .487	.004	.003	1.500 x .615	.004	.003	.064	.986 .970				UG511/ UG512/U		
EG112/U	WR340	C1112 C3112	033 037	2.10-3.00	Copper Bronze	3.400 x 1.700	.005	.004	3.560 x 1.860	.005	.004	.080	3.282 3.212				UG553/U	UG1346/U	UG1712/U
EG113/U	WR340	A1113 A2113	035 036	2.10-3.00	1100 Al 6061 Al	3.400 x 1.700	.005	.004	3.560 x 1.860	.005	.004	.080	1.01				UG554/U	UG1347/U	UG1713/U

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