

Table of Rectangular Waveguide Flange Standards

JIS Standard			E I A J Standard				M I L Standard (A N Standard)								E I A Standard					
Non-hermetic sealing	Hermetic sealing		Rectangular or special		Round or square		Non-hermetic sealing		Hermetic sealing				Choke type				Non-hermetic	Hermetic		
	Gasket side	Flat side	Non-hermetic	Hermetic	Non-hermetic	Hermetic	Copper alloy		Aluminum alloy		Copper alloy		Aluminum alloy							
							Gasket side	Flat side	Gasket side	Flat side	Choke side	Flat side	Choke side	Flat side						
																		CPR2300		
																		CPR2100		
																		CPR1800		
																		CPR1500		
																		CPR1150		
																		CPR975		
																		CPR770		
					FPDR14					M3922/52-023*4 (UG-1362/U)	M3922/52-001 (UG-1714/U)	M3922/52-024*7 (UG-1343/U)	M3922/52-002 (UG-1720/U)				CPR650			
					FPDR18					M3922/52-025 (UG-1718/U)	M3922/52-003 (UG-1755/U)	M3922/52-026 (UG-1719/U)	M3922/52-004 (UG-1717/U)				CPR510			
BRJ-2 *1	PRJ-2 *1	(PRJ-2) *1			FPDR22					M3922/52-027*5 (UG-1344/U)	M3922/52-005 (UG-1756/U)	M3922/52-028*8 (UG-1345/U)	M3922/52-006 (UG-1711/U)				CPR430			
					FPDR26					M3922/52-029*6 (UG-1346/U)	M3922/52-007 (UG-1752/U)	M3922/52-030*9 (UG-1347/U)	M3922/52-008 (UG-1713/U)				CPR340			
BRJ-3	—	—	FUER32	FPDR32	FUAR32	FPAR32		M3922/64-001 (UG-1479/U)	M3922/64-002 (UG-1484/U)	M3922/52-031 (UG-1348/U)	M3922/52-009 (UG-1724/U)	M3922/52-032 (UG-1349/U)	M3922/52-010 (UG-1725/U)	M3922/61-002 (UG-54B/U)	M3922/56-001 (UG-53/U)	M3922/61-001 (UG-585A/U)	M3922/56-002 (UG-584/U)	CMR284	CPR284	
BRJ-4	PRJ-4 *1	(PRJ-4) *1	FUER40	FPDR40	FUAR40	FPAR40				M3922/52-033 (UG-1350/U)	M3922/52-011 (UG-1726/U)	M3922/52-034 (UG-1351/U)	M3922/52-012 (UG-1727/U)					CMR229	CPR229	
BRJ-5	—	—	FUER48	FPDR48	FUAR48	FPAR48		M3922/63-001 (UG-1475/U)	M3922/63-005 (UG-1480/U)	M3922/52-035 (UG-1352/U)	M3922/52-013 (UG-1728/U)	M3922/52-036 (UG-1353/U)	M3922/52-014 (UG-1729/U)	M3922/62-002 (UG-148C/U)	M3922/57-002 (UG-149A/U)	M3922/62-001 (UG-406B/U)	M3922/57-001 (UG-407/U)	CMR187	CPR187	
BRJ-6	PRJ-6G *1	PRJ-6P *1	FUER58	FPDR58	FUAR58	FPAR58				M3922/52-037 (UG-1354/U)	M3922/52-015 (UG-1730/U)	M3922/52-038 (UG-1355/U)	M3922/52-016 (UG-1731/U)					CMR159	CPR159	
BRJ-7	PRJ-7 *1	(PRJ-7) *1	FUER70	FPDR70	FUAR70	FPAR70		M3922/63-002 (UG-1476/U)	M3922/63-006 (UG-1481/U)	M3922/52-039 (UG-1356/U)	M3922/52-017 (UG-1732/U)	M3922/52-040 (UG-1357/U)	M3922/52-018 (UG-1733/U)	M3922/60-001 (UG-343B/U)	M3922/55-001 (UG-344/U)	M3922/60-002 (UG-440B/U)	M3922/55-002 (UG-441/U)	CMR137	CPR137	
BRJ-9	—	—	FUER84	FPDR84	FUBR84	FPBR84		M3922/63-003 (UG-1477/U)	M3922/63-007 (UG-1482/U)	M3922/52-041 (UG-1358/U)	M3922/52-019 (UG-1734/U)	M3922/52-042 (UG-1359/U)	M3922/52-020 (UG-1735/U)	M3922/59-007 (UG-52B/U)	M3922/53-002 (UG-51/U)	M3922/59-009 (UG-137B/U)	M3922/53-004 (UG-138/U)	CMR112	CPR112	
BRJ-10	PRJ-10G *1	PRJ-10P *1	FUER100	FPDR100	FUBR100	FPBR100		M3922/63-004 (UG-1478/U)	M3922/63-008 (UG-1483/U)	M3922/52-043 (UG-1360/U)	M3922/52-021 (UG-1736/U)	M3922/52-044 (UG-1361/U)	M3922/52-022 (UG-1737/U)	M3922/59-006 (UG-40B/U)	M3922/53-001 (UG-39/U)	M3922/59-008 (UG-136B/U)	M3922/53-003 (UG-135/U)	CMR90	CPR90	
BRJ-120 *1	—	—	FUDR120	FPDR120	FUBR120	FPBR120											M3922/59-010	M3922/53-007	M3922/59-011	M3922/53-008
BRJ-140 *1	—	—	FUDR140	FPDR140	FUBR140	FPBR140											M3922/59-001 (UG-541A/U)	M3922/53-005 (UG-419/U)	M3922/59-002 (UG-1666/U)	M3922/53-006 (UG-1665/U)
BRJ-18 *2	—	—	FUDR180	FPDR180	FUBR180	FPBR180											M3922/69-004	M3922/70-010	M3922/69-005	M3922/70-011
BRJ-24 *2	—	—		FPCR220	FUBR220	FPBR220		M3922/67-004	M3922/67-011								M3922/59-003 (UG-596A/U)	M3922/54-001 (UG-595/U)	M3922/59-004 (UG-598A/U)	M3922/54-002 (UG-597/U)
BRJ-27 *2	—	—		FPCR260	FUBR260	FPBR260		M3922/63-009 (UG-1530/U)												
BRJ-34 *2	—	—		FPCR320	FUBR320	FPBR320		M3922/67-005	M3922/67-012	M3922/68-003	M3922/68-001						M3922/59-005 (UG-600A/U)	M3922/54-003 (UG-599/U)		
BRJ-40 *2	—	—		FPCR400				M3922/67-006	M3922/67-013											
BRJ-50 *2	—	—		FPCR500				M3922/67-007												
BRJ-60 *2	—	—		FPFR620				M3922/67-008												
BRJ-75 *2	—	—		FPFR740				M3922/67-003 (UG-387/U)												
BRJ-95 *2	—	—		FPFR900				M3922/67-010												
SPC-1200 *3	—	—		FPFR1200				M3922/66-006 (UG-1527/U)												
SPC-1400 *3	—	—						M3922/66-004 (UG-1525/U)												
SPC-1800 *3	—	—						M3922/66-003 (UG-1524/U)												
SPC-2200 *3	—	—						M3922/66-005 (UG-1526/U)												
SPC-2600 *3	—	—						M3922/66-005 (UG-1526/U)												

- Remarks (1) Items indicated in colored boxes denote SPC's standard waveguides and flanges.
 (2) The flanges marked by ※1 in the column of JIS Standard are of EIAJ Standard (former CES Standard).
 (3) The flanges marked by ※2 in the column of JIS Standard are of the Standard of Communications Technical Committee.
 (4) The items marked by ※3 in the column of JIS Standard are the standard flanges specified exclusively by SPC. External dimensions, mounting hole locations, etc. of each flange are the same as those of UG-387/U of the MIL Standard.
 (5) The type description of flanges in accordance with the IEC Standard is the same as that of the EIAJ Standard, but symbol 'F' deleted from the head. Therefore this type description is omitted here. (Example: FUBR48 → UBR48)
 (6) Only typical type descriptions are listed here for the MIL Standard. Even for the same frequencies and shapes, there may be discrepancy in type descriptions if there is partial difference in flange thickness, etc. For more detailed information, refer to MIL-F-3922.
 (7) The hermetically sealed items to the MIL Standard in this table are hardly used at present. However, the items marked by *4 ~ *9 are presently manufactured in accordance with the standard given on the right. (This should be specified at time of ordering.)

Copper alloy		Aluminum alloy	
※4	M3922/58-007 (UG-417B/U)	※7	M3922/58-008 (UG-418B/U)
※5	M3922/58-009 (UG-435B/U)	※8	M3922/58-010 (UG-437B/U)
※6	M3922/58-011 (UG-553A/U)	※9	M3922/58-012 (UG-554A/U)