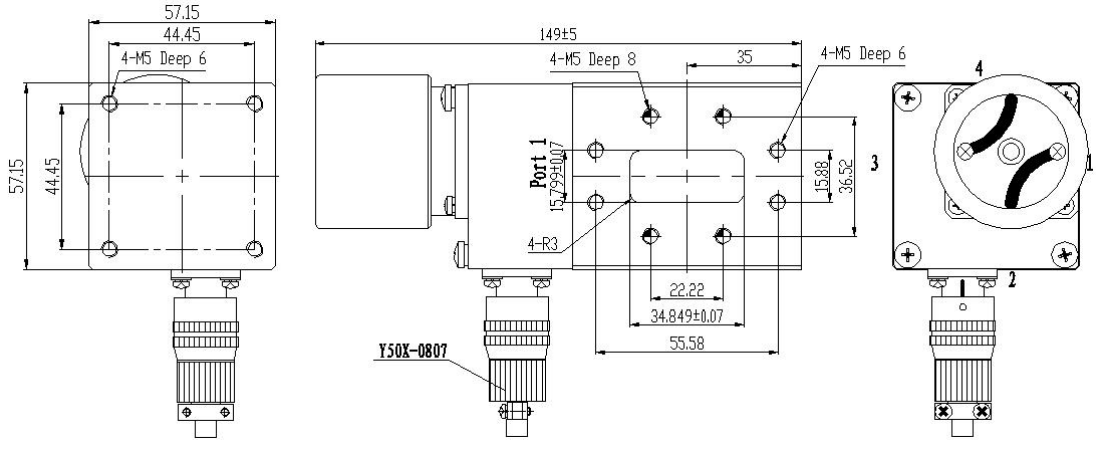
Waveguide Switch

Part No: ST137WESMDC

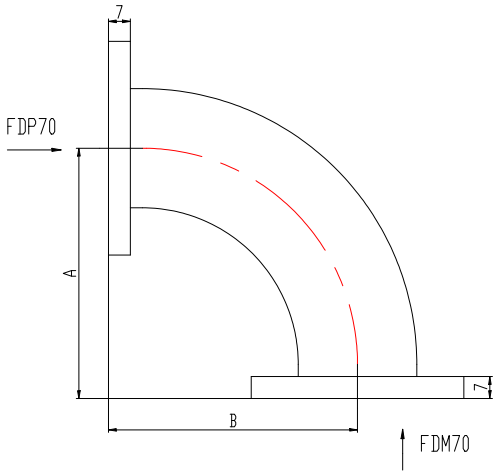
1.0	**Mechanical Specifications**	
1.1	Waveguide type	WR137
1.2	Flange type	FDP70 (CPR137F)
1.3	Material	Aluminum
1.4	Finish	Anticorrosion black paint
1.5	Temperature range	0°C ~ +50°C
1.6	Drive mechanism	Motorized operated
1.7	Mechanical life cycles without hot switching	250,000
1.8	Environment	Indoor
1.9	Weight	0.8Kg
1.10	Switch Type	DPDT
2.0	**Electrical Specifications**	
2.1	Frequency range	5.38-8.17GHz
2.2	VSWR (Max)	1.10
2.3	Insertion loss (Max)	0.10 dB
2.4	Isolation (Min)	70 dB
2.5	Power handling	5 kW (Average)
2.6	Power supply	28 V (DC)
2.7	Max. Switch time:	80ms
3.0	**Outline Drawing (for reference only)**	

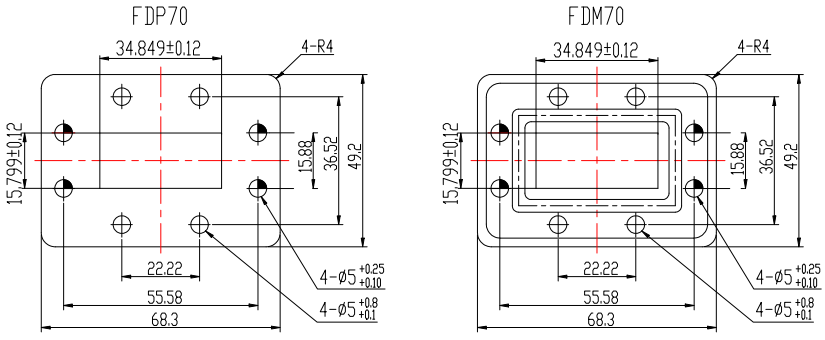


Waveguide H-Bend

Part No: ST137WHB80PMC

1.0	**Mechanical Specifications**	
1.1	Waveguide type	WR137
1.2	Flange type	FDP70(CPR 137 F)/FDM70(CPR 137 G)
1.3	Material	Copper
1.4	Inside finish	Sliver Plating
1.5	Outside finish	Anticorrosion black paint
1.6	Dimensions	A=80mm, B=80mm
1.7	Accessories	O-ring mated with flange FDM70
2.0	**Electrical Specifications**	
2.1	Frequency range	5.38-8.17 GHz
2.2	VSWR (Max)	1.10
2.3	Insertion loss	0.2 dB
3.0	**Outline Drawings**	





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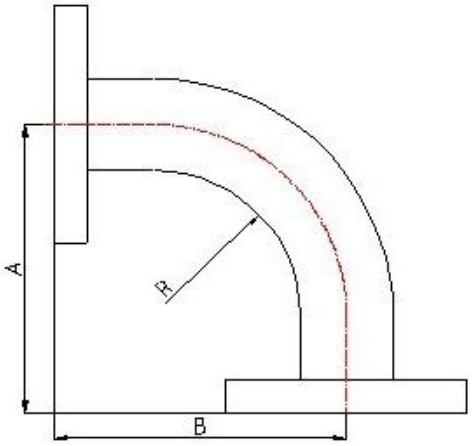
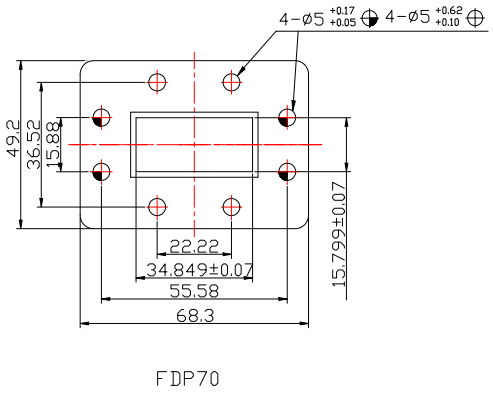
Waveguide E-Bend

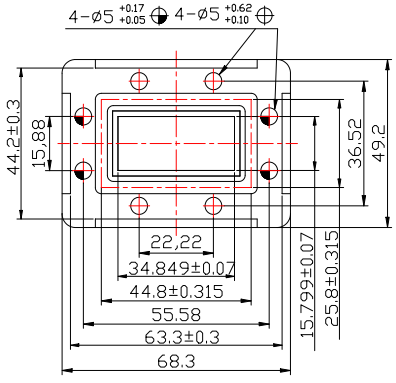
Part No: ST137WEB60PMC

1.0	**Mechanical Specifications**	
1.1	Waveguide type	WR137
1.2	Flange type	FDP70(CPR 137 F)/FDM70(CPR 137 G)
1.3	Material	Copper
1.4	Inside finish	Silver plating
1.5	Outside finish	Anticorrosion black paint
1.6	Dimensions(A*B*R)	60*60*30mm
1.7	Accessories	gasket and screw kit
2.0	**Electrical Specifications**	
2.1	Frequency range	5.38-8.17 GHz
2.2	VSWR (Max)	1.10
2.3	Insertion loss	0.2 dB
3.0	**Outline Drawings**	





FDP70

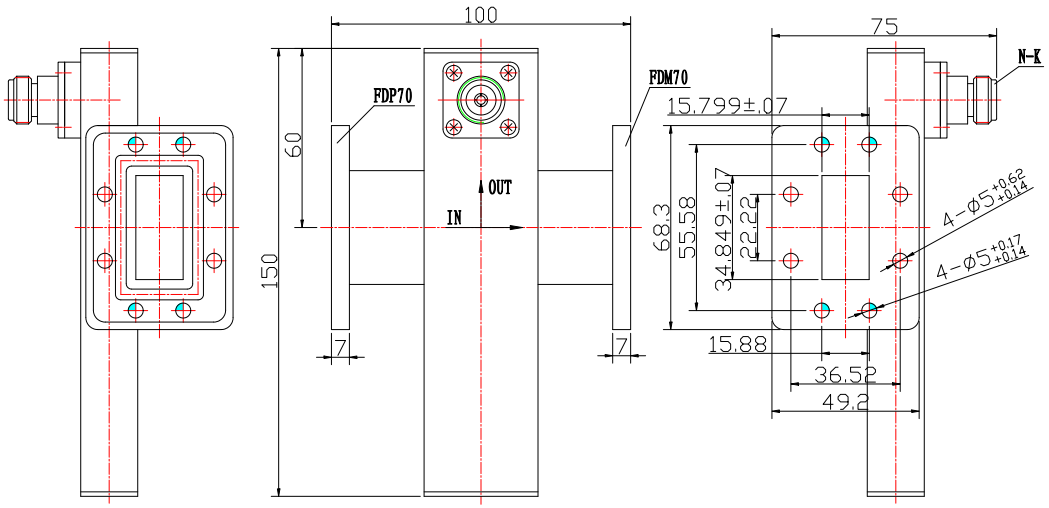


FDM70

Crossguide Directional Coupler

Part No: ST137WCDC30NKPMC

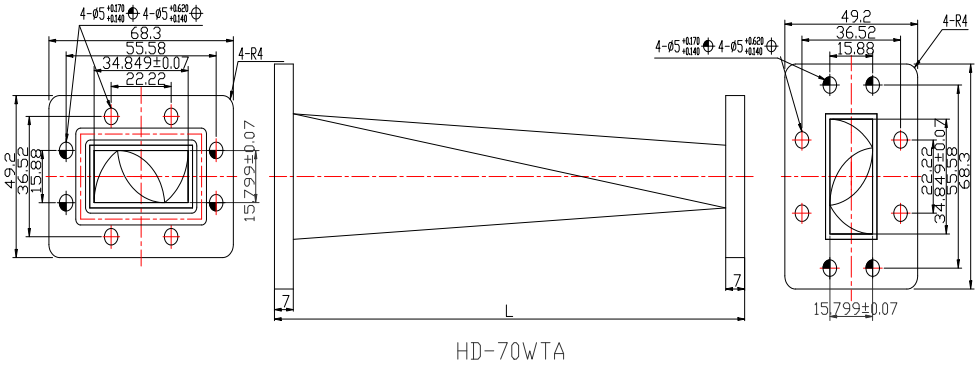
1.0	**Mechanical Specifications**	
1.1	Waveguide type	WR137
1.2	Flange type	FDP70(CPR 137 F)/FDM70(CPR 137 G)
1.3	Coupled port connector	N type Female
1.4	Material	Copper/Brass
1.5	Inside finish	Silver plating
1.6	Outside finish	Anticorrosion black paint
2.0	**Electrical Specifications**	
2.1	Frequency range	5.8-7.2 GHz
2.2	VSWR (Max)	1.10 (Master line), 1.25 (Coupling line)
2.3	Coupling	30 ± 0.5 dB
2.4	Frequency Sensitivity (Max)	± 1 dB
2.5	Directivity (Min)	18 dB
3.0	**Outline Drawing**	



Waveguide Twistable

Part No: ST137WTA150PMC

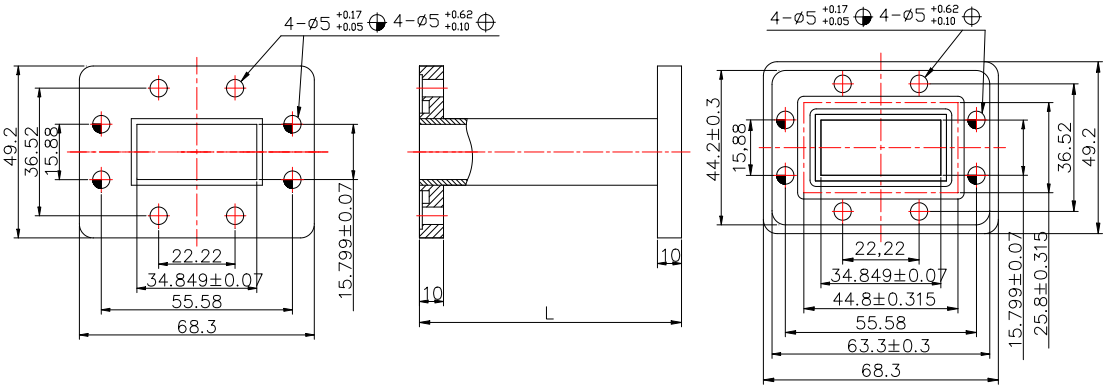
1.0	**Mechanical Specifications**	
1.1	Waveguide type	Rectangular Waveguide WR-137
1.2	Flange type	FDP70(CPR 137 F)/FDM70(CPR 137 G)
1.3	Basis-material	Alloyed Copper
1.4	Finish	Inside: Silver Plating, Outside: Corrosion protected with black paint
1.5	Dimension (L)	L=150mm
1.6	Temperature range	-40°C ~ +70°C
1.7	Accessories	O-ring mated with flange FDM70
2.0	**Electrical Specifications**	
2.1	Frequency Range	5.38 – 8.17 GHz
2.2	Max. VSWR	1.1:1
2.3	Max. Insertion loss	0.2dB
3.0	**Outline Drawing**	



Flexible-Twistable Waveguide

Part No: ST137WEL600PMC

1.0	**Mechanical Specifications**	
1.1	Waveguide type	Rectangular Waveguide WR-137
1.2	Flange type	FDP70(CPR 137 F)/FDM70(CPR 137 G)
1.3	Basis-material	Copper
1.3	Material	Copper/Brass
1.4	Jacket material	Black polysulfide rubber
1.5	Maximum Twist	262 deg/m
1.6	Minimum Bend Radius (E Plane)	100 mm
1.7	Minimum Bend Radius (H Plane)	200 mm
1.8	Length	L=600 mm
1.9	Storage temperature	-55°C ~+85°C
1.10	Operating temperature	-40°C ~+75°C
1.11	Accessories	gasket and screw kit
2.0	**Electrical Specifications**	
2.1	Frequency Range	5.85-8.2GHz
2.2	Max. VSWR	1.10:1
2.3	Max. Insertion loss	0.25dB/m
2.4	Handling Power	2KW (CW)
3.0	**Outline Drawing**	



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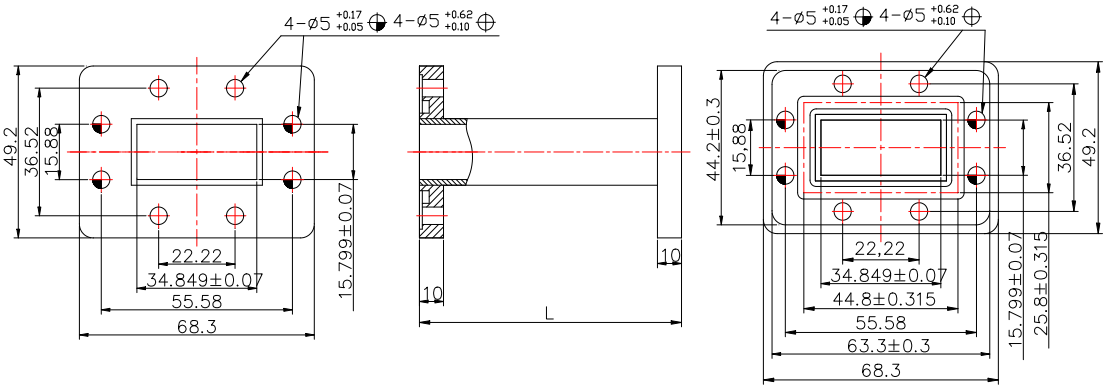
Flexible-Twistable Waveguide

Part No: ST137WEL1000PMC

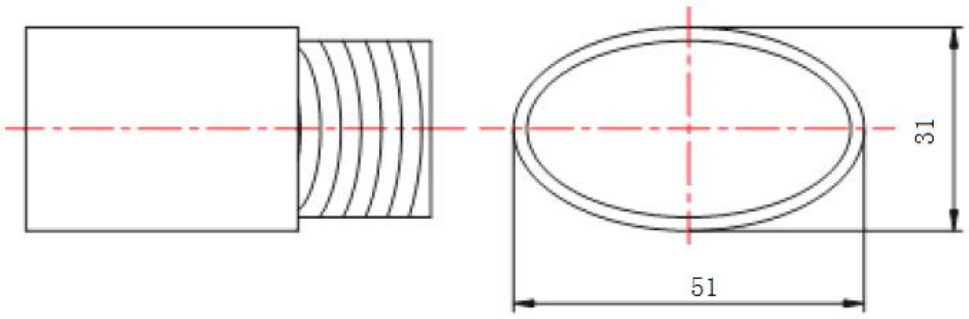
1.0	**Mechanical Specifications**	
1.1	Waveguide type	Rectangular Waveguide WR-137
1.2	Flange type	FDP70(CPR 137 F)/FDM70(CPR 137 G)
1.3	Basis-material	Copper
1.3	Material	Copper/Brass
1.4	Jacket material	Black polysulfide rubber
1.5	Maximum Twist	262 deg/m
1.6	Minimum Bend Radius (E Plane)	100 mm
1.7	Minimum Bend Radius (H Plane)	200 mm
1.8	Length	L=1000 mm
1.9	Storage temperature	-55°C ~+85°C
1.10	Operating temperature	-40°C ~+75°C
1.11	Accessories	gasket and screw kit
2.0	**Electrical Specifications**	
2.1	Frequency Range	5.85-8.2GHz
2.2	Max. VSWR	1.10:1
2.3	Max. Insertion loss	0.25dB/m
2.4	Handling Power	2KW (CW)
3.0	**Outline Drawing**	



Elliptical Waveguide

Part No: ST62EWAL10000

1.0	**Mechanical Specifications**	
1.1	Waveguide type	Elliptical Waveguide for WR137
1.2	Basis material	Copper
1.3	Minimum bend radius (E Plane)	220 mm
1.4	Minimum bend radius (H Plane)	550 mm
1.5	Weight	0.85 kg/m
1.6	Length	L=10m
1.7	Temperature range	-40°C ~ +75°C
2.0	**Electrical Specifications**	
2.1	Frequency range	5.85-7.125GHz
2.2	VSWR (Max)	1.20:1
2.3	Attenuation (Max)	6dB/100m
3.0	**Outline Drawing**	



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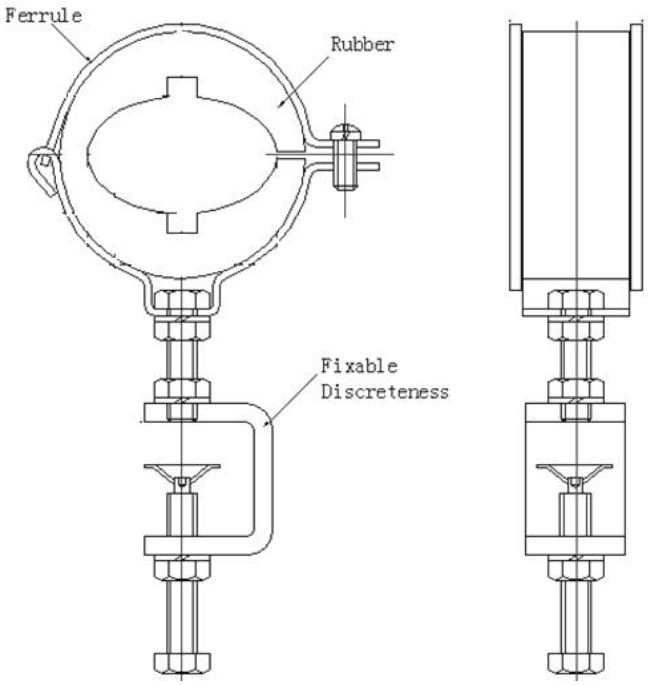
Butterfly Hanger

Part No: ST62BDKZ

1.0	**Mechanical Specifications**	
1.1	Adapter Type	Elliptical Waveguide 62EWAL
2.0	**Outline Drawings (For Reference Only)**	



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