



**FLANN MICROWAVE**

## Programmable Rotary Vane Phase Changers

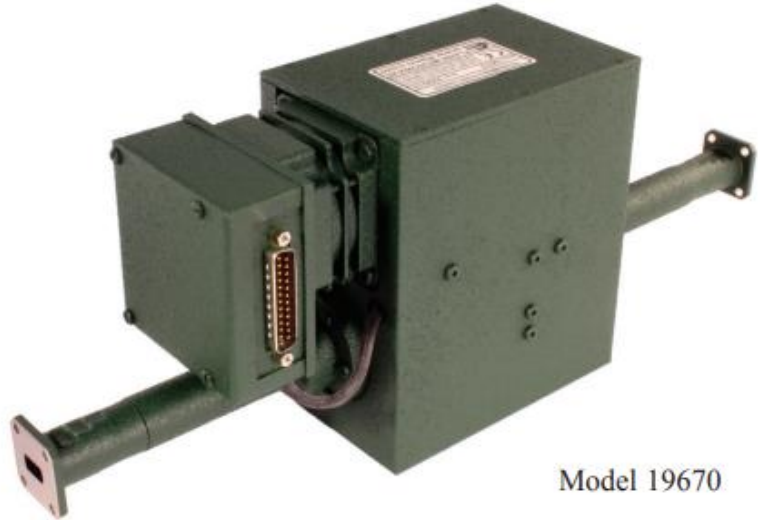
Series 670

### Features

- 3.22 GHz – 500 GHz
- 0.2 Degree Increments

The Programmable Rotary Vane Phase Changers Series 670 includes models suitable for operation in frequency bands from 3.22 GHz to 500 GHz.

The stepper motor driven units provide continuous phase change in both forward and reverse direction with the smallest increment of 0.2 degrees; the rate of phase change is 1480 degrees per second when driven by the CP2021 Flann Control Processor.



Model 19670

### Ordering Information

Model: Description

Example: Model 12670 Programmable Rotary Vane Phase Changer

Outline dimensions available on request.

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**FLANN MICROWAVE****Programmable Rotary Vane Phase Changers**

Series 670

**Specifications:**

Operating Temperature Range 5°C to 35°C

(Please refer to Flann for wider temperature range consideration.)

Model	Frequency Range	Waveguide				Accuracy	VSWR	Max Insertion Loss (dB)	Max Power (Watts)
	(GHz)	WG	WM	R	WR		(better than)		
<b>11A670</b>	3.22 - 4.90	11A		40	229	3°	1.25	1	10
<b>12670</b>	3.94 - 5.99	12		48	187	3°	1.25	1	10
<b>13670</b>	4.64 - 7.05	13		58	159	3°	1.25	1	10
<b>14670</b>	5.38 - 8.18	14		70	137	3°	1.25	1	10
<b>15670</b>	6.58 - 10.0	15		84	112	3°	1.25	1	10
<b>16670</b>	8.20 - 12.5	16		100	90	3°	1.25	1	10
<b>17670</b>	9.84 - 15.0	17		120	75	3°	1.25	1	5
<b>18670</b>	11.9 - 18.0	18		140	62	4°	1.3	1	5
<b>19670</b>	14.5 - 22.0	19		180	51	4°	1.3	1	4
<b>20670</b>	17.6 - 26.7	20		220	42	4°	1.3	1	3
<b>21670</b>	21.7 - 33.0	21		260	34	4°	1.3	1	2.5
<b>22670</b>	26.4 - 40.1	22		320	28	4°	1.3	1	2
<b>23670</b>	33.0 - 50.1	23		400	22	4°	1.3	1	1.5
<b>24670</b>	39.3 - 59.7	24		500	19	4°	1.3	1.5	1
<b>25670</b>	49.9 - 75.8	25		620	15	5°	1.3	1.5	0.7
<b>26670</b>	60.5 - 92.0	26		740	12	5°	1.3	2	0.5
<b>27670</b>	73.8 - 112.0	27	2540	900	10	6°	1.3	2.5	0.2
<b>28670</b>	92.3 - 140.0	28	2032	1200	8	6°	1.5	2.5	0.2
<b>29670</b>	114 - 173	29	1651	1400	6	Specifications available on request			
<b>30670</b>	145 - 220	30	1295	1800	5				
<b>31670</b>	172 - 261	31	1092	2200	4				
<b>32670</b>	217 - 330	32	864	2600	3				
<b>710670</b>	260 - 400	-	710	-					
<b>570670</b>	330 - 500	-	570	-					

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