



Test report is for reference only.

TEST REPORT
For
TA6018N4053



Technical Specification

Item	Value	Note
Frequency Range	6-18GHz	
Output Power	200W@6-17GHz	
	170W@17-18GHz	
Input VSWR	2.0 Max.	
Gain	40dB Min.	
Gain Flatness	±4.5dB Max.	
Output Power Adjustment Range	200mW-200W@6-17GHz 200mW-170W@17-18GHz	Adjust continuously
Gain Stability	0.3dB Max. / 24-hours	Any point within frequency range, continuous wave
Harmonic Output	-4dBc Max.	Tested in full frequency range with output power between 50W and 70W
Noise Output	100mW Max.	The output power tested under no signal input
Output Port Protection	40W	The output port can endure under 40W reflect power
RF Connector	Input: SMA; Output: Double range waveguide; waveguide to coaxial	
Mean Time Between Failure (MTBF)	2000 Hours Min.	
Operating Voltage & Consumption	220V / 1400W	
Cooling	Water (without Circulating water)	

Test Results

Freq:(GHz)	Pin(dBm)	Po(W)	Gain(dB)	VSWR
6	-16	275	70.39	1.529
7	-20	287	74.58	1.308
8	-20	304	74.83	1.143
9	-20	306	74.86	1.233
10	-20	307	74.87	1.078
11	-23	272	77.35	1.467
12	-21	235	74.71	1.613
13	-24	204	77.10	1.517
14	-23	211	76.24	1.249
15	-21	213	74.28	1.336
16	-23	223	76.48	1.111
17	-22	212	75.26	1.372
18	-16	191	68.81	1.215

VSWR: 1.684:1 max @ 16.26GHz

Harmonic: 11.2dBc max @ 6 GHz

Noise : 75mW max