

Specification Sheet for AMFW-5F-24002500-19-10P-S1-1-R

1 . Electrical Specification (at 23°C)			
	1.1	Frequency Range	24 to 25GHz
	1.2	Gain	41dB min
	1.3	Gain Flatness	+/- 2dB max
	1.4	Gain Variation vs Temp	+/-1.5dB max
	1.5	Noise Figure	2.4dB max @ 50°C 2.2dB max @ 35°C 2.1dB max @ 30°C 2.0dB max @ 25°C
	1.6	VSWR In	1.5:1 max
	1.7	VSRW Out	2.0:1 max
	1.8	Max Input Pulse	+23dBm peak, 25nSec pulsewidth, 0.073% duty
	1.9	Input Spike Noise	0.07erg max (200mW max)
	1.10	P1dB out	8dBm min @ -30 to +50°C
	1.11	Voltage	12VDC nom @ -30 to +50°C
	1.12	Current	300mA nom @ -30 to +50°C
	1.13	Others	No oscillations at any condition including out of frequency band between 0Hz to 40GHz Note:Use Wave Guide Slide tube and Open/Short connector to check oscillations with/without Isolator.

2. Mechanical Specification			
	2.1	Outline Drawing	Narda-Miteq drawing # 131596
	2.2	Material of Main Chassis,Plating	Aluminum, White except amp's backside
	2.3	Material of WG Isolator,Plating	Aluminum, White except WG's flange
	2.4	Input Interface	WR42 flat flange
	2.5	Output Interface	2.92mm Female

3. Environmental Specification			
	3.1	Operating Temp	-30 to +50°C
	3.2	Storage Temp	-40 to +60°C
	3.3	Humidity	95% RH
	3.4	Pressure	0.022MPa max