Power amplifier DPA8-18-40G-4057

COM-MW TECHNOLOGY

18~40GHz, Gain42dB, Psat30dBm, 2.92

Main specifications

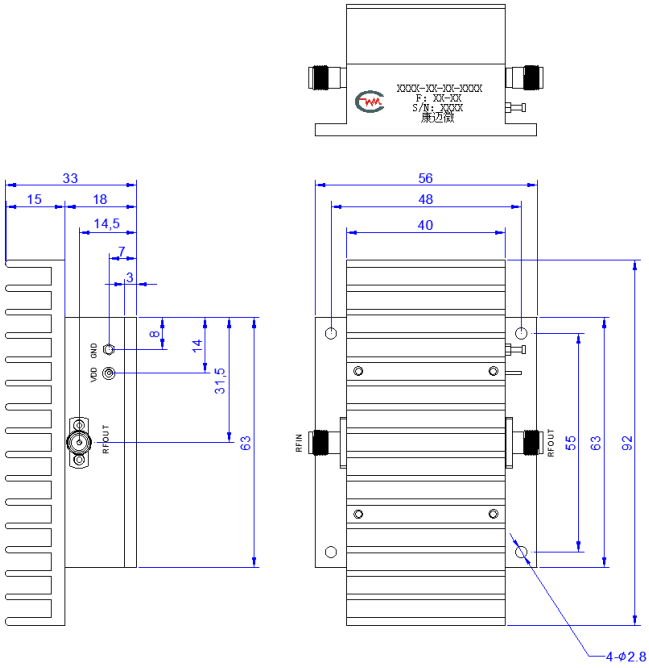
Parameters	Min	Typical	Max	Units
Frequency	18	~	40	GHz
Gain	42			dB
Gain flatness			±4	dB
Input VSWR			2	
Psat	30			dBm

Other parameters

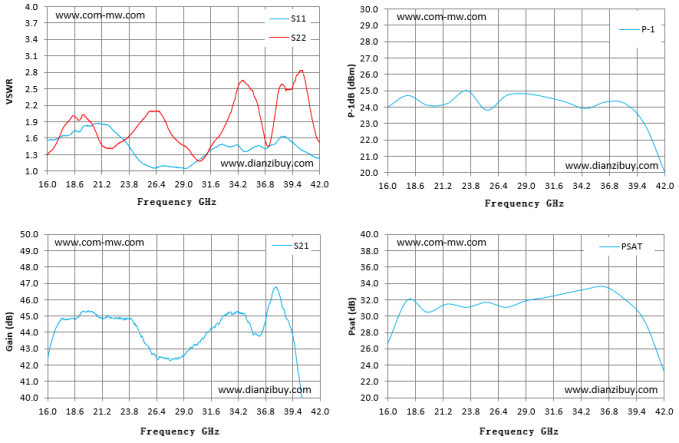
Connector	2.92-K
Connector material	Stainless steel
Impedance	50Ω
Working voltage	+24V
Working current	1200mA
Operation Temp.	-40~+60°C Design assurance
Quality Grade	Industrial grade

Reference picture

Configuration



Typical test curve



Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency	S11	S22	GAIN	P-1	PSAT
GHz	VSWR	VSWR	dB	dBm	dBm
16	1.56	1.31	42.29	24	26.7
17.86	1.65	1.89	44.79	24.7	32
19.71	1.83	1.98	45.24	24.1	30.5
21.57	1.85	1.42	44.93	24.2	31.5
23.43	1.54	1.58	44.83	25	31.1
25.29	1.11	1.98	43.32	23.8	31.7
29	1.05	1.46	42.55	24.8	31.9
30.86	1.26	1.22	43.6	24.6	32.3
32.71	1.49	1.75	44.94	24.3	32.8
34.57	1.39	2.65	45.11	23.9	33.3
36.43	1.44	1.88	43.93	24.3	33.6
38.29	1.62	2.58	45.92	24.2	32.1
40.14	1.4	2.84	40.63	22.9	29.5
42	1.23	1.53	28.19	20	23.3

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