

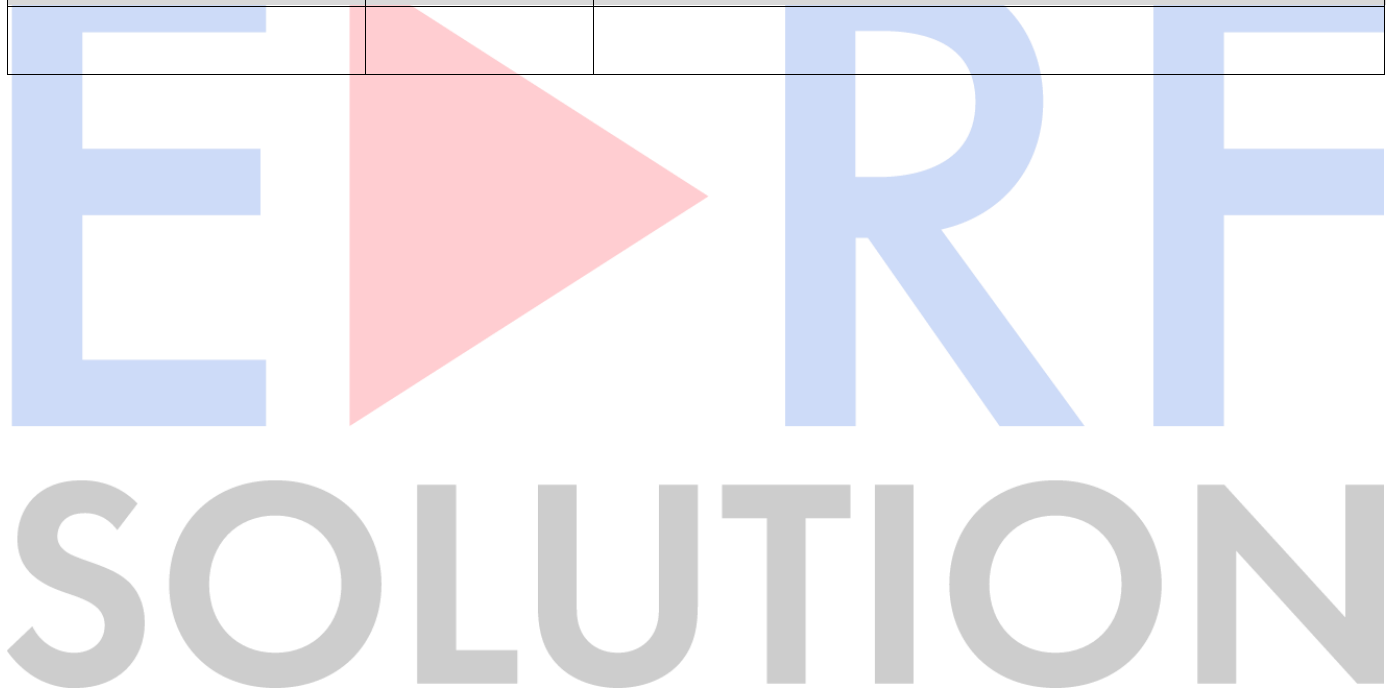
# Specification

## 1. Item

Product	2800~3500MHz 350W Solidstate Amplifier
Partnumber	ESM-2800-55-30

## 2. Revision History

Issued / Revision	R&D Approved	Revision Detail



Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: <b>ESM-2800-55-30</b>
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## General Specification

No.	Parameter	Specification	Unit
1	Frequency Range	2800~3500MHz	-
2	Output Power	350W typ.	-
3	Gain	30dB typ.	-
4	Power Gain Flatness	±1.5dBp-p	-
5	Carrier Modulation	Pulse Width : 5~120uS, Duty : 3.5%	-
6	Input Power	25.5dBm typ.	-
7	Input VSWR	1.5 max.	-
8	2nd Harmonic	-30dBc typ.	-
9	Spurious Signal	-60dBc min.	-
10	Operating Voltage	32V typ.	-
11	Current Draw@350W	35A typ. / 40A max.	-
12	Protection	Temp. Shutdown : ≥ +85°C Shutdown, Auto-restart @ +75°C	-

## Mechanical Specification

No.	Parameter	Specification	Unit
1	Dimensions	240*150*32	-
2	Weight	1.8kg	-
3	RF Connectors In/Out	Input : N Female / Output : N Female	-
4	DC Connector	Dsub 3W3 Male	-
5	M&C Connector	Dsub 9Pin Male	-
6	Operating Case Temperature	-20~+65°C	-
7	Storage Temperature	-40~+90°C	-
8	Relative humidity	5% min. / 95% max.	(non-condensing)

## Interface Connector

Pin No.	Description	Specifications
DC A1	VDD	+32VDC
DC A2	NC	
DC A3	GND	Ground
M&C 1	Current Monitor	Analog Voltage(0~5VDC), 0.25V@1.5A(0.2V/1.0A)
M&C 2	Shutdown	ON : TTL "Low", OFF : TTL "High" (Internally Pulled-Low)
M&C 3	Temperature Monitor	$V_o = (10\text{mV}/^\circ\text{C} \times \text{Temp}) + 500\text{mV}$
M&C 4,7,8,9	NC	
M&C 5,6	GND	Ground

## Dimension

