

# Specification

## 1. Item

Product	2700~3100MHz 500W Solidstate Amplifier
Partnumber	ESM-2700-56-32

## 2. Revision History

Issued / Revision	R&D Approved	Revision Detail



Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: <b>ESM-2700-56-32</b>
-----------	-------	---------------------------------

### General Specification

No.	Parameter	Specification	Unit
1	Frequency Range	2700~3100MHz	-
2	Output Power	400W min. / 500W typ.	-
3	Gain	32dB typ.	-
4	Power Gain Flatness	±1.5dBp-p	-
5	Carrier Modulation	Pulse Width : 100uS, Duty : 10%	-
6	Input Power	25dBm typ.	-
7	Input VSWR	1.5 max.	-
8	2nd Harmonic	-20dBc typ.	-
9	Spurious Signal	-60dBc min.	-
10	Operating Voltage	50V typ.	-
11	Peak Current@500W	30A typ. / 32A max.	-
12	Protection	Temp. Shutdown : ≥ +85°C Shutdown, Auto-restart @ +75°C	-

### Mechanical Specification

No.	Parameter	Specification	Unit
1	Dimensions	300(L)*200(W)*32(H)	-
2	Weight		-
3	RF Input Connector	N Type Female	-
4	RF Output Connector	N Type Female	-
5	DC Connector	Dsub 3W3 Male	-
6	M&C Connector	Dsub 9Pin Male	-
7	Operating Case Temperature	-20~+65°C	-
8	Storage Temperature	-40~+90°C	-
9	Relative humidity	5% min. / 95% max.	(non-condensing)

## Interface Connector

Pin No.	Description	Specifications
DC A1	VDD	+50VDC
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

