

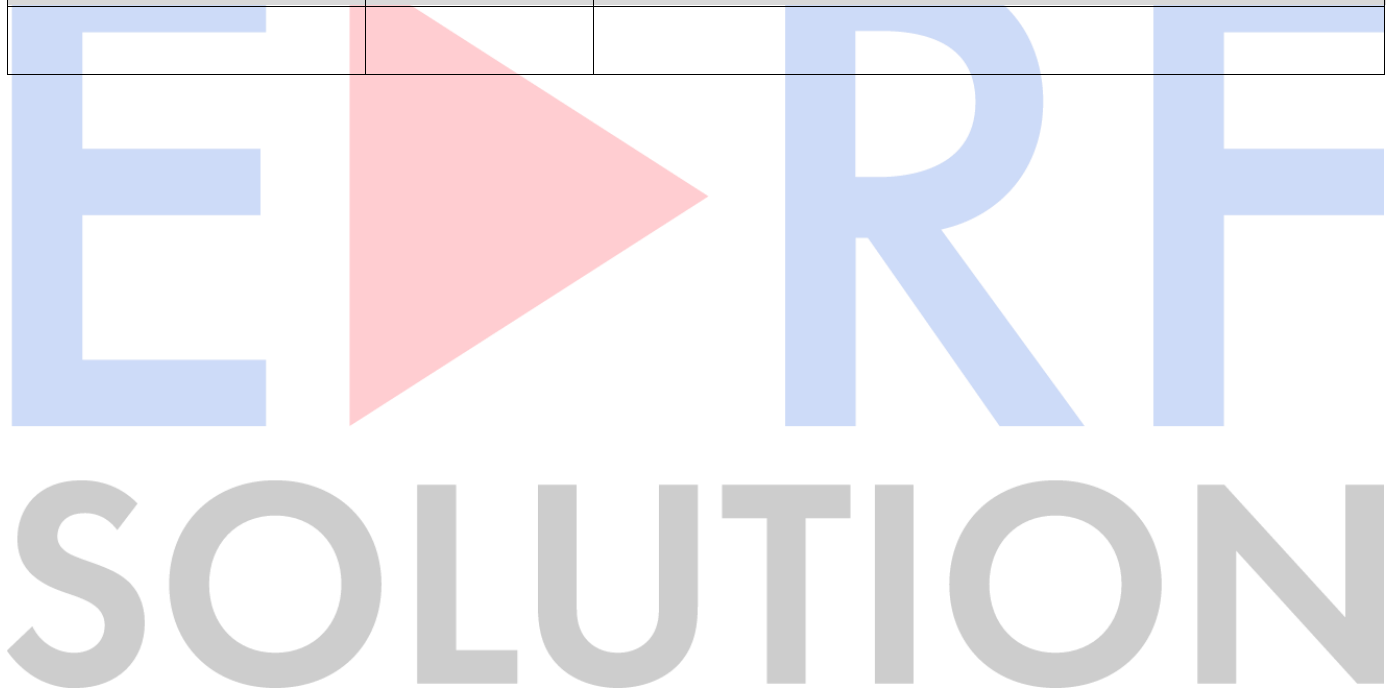
Specification

1. Item

Product	816~824MHz 30W Solidstate Amplifier
Partnumber	ESM-0816-45-45

2. Revision History

Issued / Revision	R&D Approved	Revision Detail



Design	R & D	Approval
		
CYKIM		

Customer:	Date:	Part No.: ESM-0816-45-45
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General Specification

No.	Parameter	Specification	Unit
1	Operating Frequency Range	816~824MHz	-
2	Output Power @ 1 dB Gain Compression Point	30W typ.	-
3	Small Signal Gain	44~46dB	-
4	Gain Flatness	±0.5dB	-
5	Input Return Loss	-14dB	-
6	Output Return Loss	-14dB	-
7	Operating Voltage	11~15V	-
8	Supply Current @ POUT = 30W CW	5.0 TBD max.	-

Mechanical Specification

No.	Parameter	Specification	Unit
1	Dimensions	100*80*25 TBD	-
2	RF Connectors In/Out	Input : SMA female Output : SMA female	-
3	DC Connectors	+12V:Feed Thru / Ground: Body	-
4	Amp On/Off	Feed Thru (TTL High: On)	-
5	Cooling	External Heatsink	-
6	Operating Case Temperature	-10~+50°C	-
7	Storage Temperature	-40~+85°C	-
8	Relative humidity	0~95%	(non-condensing)

Interface / Control

Pin No.	Description	Specifications
Power	VDD	+12V: Feed Thru
Ground	GND	Ground: Body
Control	Amp On/Off	Feed Thru (TTL High: On)