

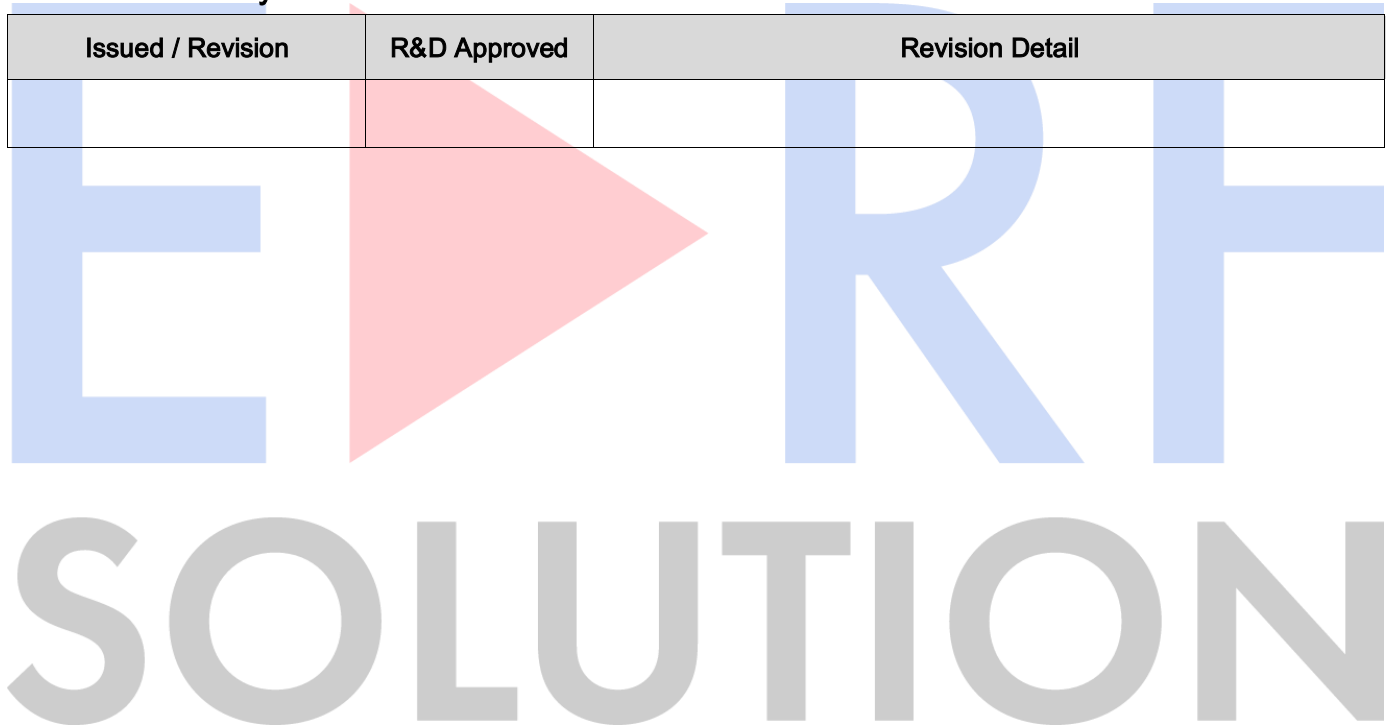
Specification

1. Item

| | |
|------------|--------------------|
| Product | 758~803MHz 60W HPA |
| Partnumber | EHM-0758-48-53 |

2. Revision History

| Issued / Revision | R&D Approved | Revision Detail |
|-------------------|--------------|-----------------|
| | | |



| | | |
|---|-------|----------|
| Design | R & D | Approval |
|  | | |
| CYKIM | | |

| | | |
|-----------|-------|--------------------------|
| Customer: | Date: | Part No.: EHM-0758-48-53 |
|-----------|-------|--------------------------|

General Specification

| No. | Parameter | Specification | Unit |
|-----|---|-----------------|---------|
| 1 | Operating Frequency Range | 758MHz ~ 803MHz | - |
| 2 | Output Power | 60W | - |
| 3 | Gain | 53dB | - |
| 4 | Gain Flatness | ±0.5dB | - |
| 5 | Gain Variation @ Temp. | ±1.0dB | - |
| 6 | In/Output Return Loss | 15dB | - |
| 7 | ACLR Pout : 60W BW : 20MHz, LTE PAR : 8dB@CCDF 0.01% | -45 | @±20MHz |
| | | | @±40MHz |
| 8 | Harmonic | -45dBc | - |
| 9 | Spurious Signals | -70dBc | - |
| 10 | Operating Voltage | 27~29V | - |
| 11 | Current Consumption | 10A Max. | - |

Mechanical Specification

| No. | Parameter | Specification | Unit |
|-----|---------------------|-----------------|------------|
| 1 | Dimension | 190*160*30 | W*D*H (mm) |
| 2 | Weight | 1.1 | kg |
| 3 | RF Connector | SMA(F) | - |
| 4 | DC Connector | D-SUB 3W3P Male | - |
| 5 | Interface Connector | D-sub 9Pin Male | - |

Environmental Specifications

| No. | Parameter | Specification | Unit |
|-----|-----------------------------------|---------------|------|
| 1 | Operating Case Temperature | -30~+80°C | - |
| 2 | Storage Temperature | -40~+90°C | - |
| 3 | Relative Humidity(Non-condensing) | 5~95% | - |

Pin Description

| | Pin No. | Description | Specification |
|---------|---------|-----------------------|---|
| DC | A1 | VDD | +28VDC |
| | A2 | GND | Ground |
| | A3 | NC | No Connection |
| Control | 1 | Over Power Alarm | Alarm : TTL "High"@ $\geq +50\text{dBm}$ |
| | 2 | Reverse Power Alarm | Alarm : TTL "High"@ $\geq \text{VSWR } 3:1$ |
| | 3 | High Temp. Alarm | Alarm : TTL "High"@ Temp. : $\geq +85^\circ\text{C}$ Shutdown, Auto-restart @ $+75^\circ\text{C}$ |
| | 4 | GND | Ground |
| | 5 | Enable/Disable | Enable: TTL "Low", Disable: TTL "High" |
| | 6 | Forward Power Monitor | $4.0\text{V}@P_o=+47.8\text{dBm}$, 100mV/dB |
| | 7 | Reverse Power Monitor | $4.0\text{V}@P_o=+47.8\text{dBm}$, 100mV/dB |
| | 8 | Temperature Monitor | $V_o=(10\text{mV}/^\circ\text{C} \times \text{Temp}) + 500\text{mV}$ |
| | 9 | GND | Ground |

Mechanical Dimension [Unit: mm]

