

Specification

1. Item

| | |
|------------|------------------------|
| Product | 900MHz Amplifier (40W) |
| Partnumber | EHM-0925-46-50 |

2. Revision History

| Issued / Revision | R&D Approved | Revision Detail |
|-------------------|--------------|-----------------|
| 2016-11-14 | YHL | Draft |



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

| | | |
|-----------|-------|--------------------------|
| Customer: | Date: | Part No.: EHM-0925-46-50 |
|-----------|-------|--------------------------|

General Specification

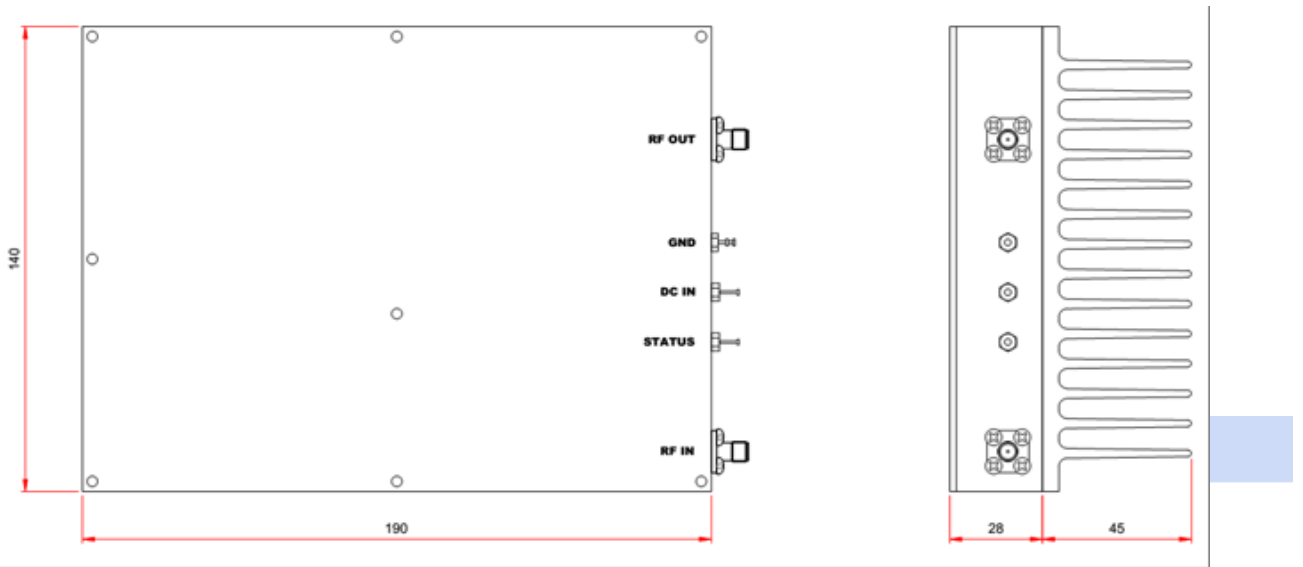
| No. | Parameter | Specification | Unit |
|-----|---------------------------------|---|-------------------------|
| 1 | Operating Frequency Range | 925 ~ 960 MHz | - |
| 2 | Operating Bandwidth | 35MHz | - |
| 3 | Carrier Modulation | WCDMA/LTE 10MHz | PAR=8.5dB@CCDF 0.01% |
| 4 | Output Power | 40W(+46 dBm) | - |
| 5 | Gain | 50±0.75dB | - |
| 6 | Gain Flatness | 1.5dB (peak to peak) | - |
| 7 | ACL R | WCDMA 4FA | - |
| | | LTE 1FA | |
| 8 | Spec trum Emis sion Mask | WCDMA 1FA | - |
| | | LTE 1FA | |
| 9 | Input / Output VSWR | 1.5 :1 max. | - |
| 10 | 2nd Harmonics | 45dBc min | - |
| 11 | Power Efficiency @ Pout: +46dBm | 20% min. | - |
| 12 | Amplifier Switch | Turn on at input power ≥-15dBm Turn off at input power ≤-19dBm | - |
| 13 | Amplifier Status | Turn on at High, Turn off at Low | - |
| 14 | Operating Voltage | +30VDC | Volt |
| 15 | Supply Current | 6.0A typ.(6.5A max.) | A |
| 16 | Operating Temperature | -30 ~ +60°C | - |

Mechanical Specification

| No. | Parameter | Specification | Unit |
|-----|----------------|---------------------|----------------|
| 1 | Dimension | 190*140*73 | W * D * H (mm) |
| 2 | Connector Type | SMA Female | - |
| 3 | Pin Map | 1.+ 30VDC | - |
| | | 2. Ground | |
| | | 3. Amplifier Status | |
| 4 | Mounting Type | with 8 holes | - |

| | | | |
|---|------------------|--------------------|---|
| 5 | Heat Dissipation | External Heat sink | - |
|---|------------------|--------------------|---|

■ Mechanical Dimension [Unit: mm]



ECHO RF SOLUTION