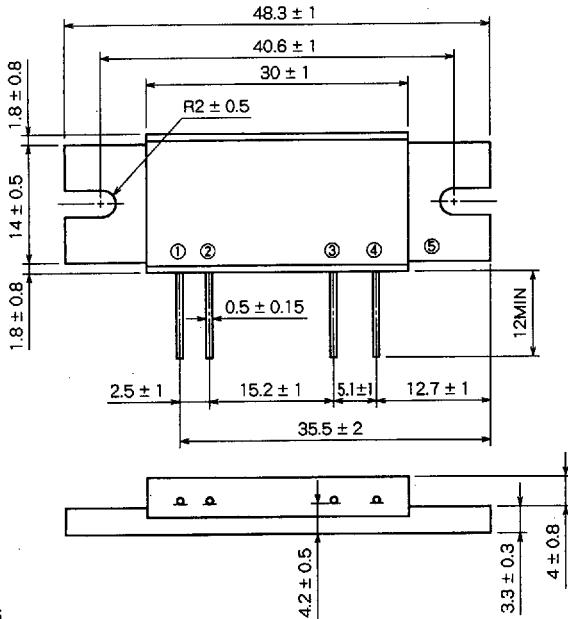


# OUTLINE DRAWING

Dimensions in mm



H26

PIN:

① Pin : RF INPUT

② Vcc1 : 1st. DC SUPPLY

③ Vcc2 : 2nd. DC SUPPLY

④ Po : RF OUTPUT

⑤ GND : FIN

## ABSOLUTE MAXIMUM RATINGS (Tc = 25°C unless otherwise noted)

| Symbol   | Parameter                  | Conditions                   | Ratings | Unit |
|----------|----------------------------|------------------------------|---------|------|
| Vcc1     | 1st. DC Supply             |                              | 16      | V    |
| Vcc2     | 2nd. DC Supply             |                              | 17      | V    |
| Icc      | Total current              | ZG = ZL = 50 Ω               | 3       | A    |
| Pin(max) | Input power                | ZG = ZL = 50 Ω, Vcc1 ≤ 12.5V | 100     | mW   |
| Po(max)  | Output power               | ZG = ZL = 50 Ω, Vcc1 ≤ 12.5V | 12      | W    |
| Tc(OP)   | Operation case temperature | ZG = ZL = 50 Ω               | -30~110 | °C   |
| Tstg     | Storage temperature        |                              | -40~110 | °C   |

## ELECTRICAL CHARACTERISTICS (Tc = 25°C unless otherwise noted)

| Symbol   | Parameter           | Test conditions                                                                                  | Limits         |     | Unit |
|----------|---------------------|--------------------------------------------------------------------------------------------------|----------------|-----|------|
|          |                     |                                                                                                  | Min            | Max |      |
| f        | Frequency range     | Vcc1 = Vcc2 = 12.5V<br>Pin = 30mW<br>ZG = ZL = 50 Ω                                              | 824            | 849 | MHz  |
| Po       | Output power        |                                                                                                  | 6              |     | W    |
| ηT       | Total efficiency    |                                                                                                  | 35             |     | %    |
| 2fo, 3fo | 2nd, 3rd. harmonic  |                                                                                                  |                | -30 | dB   |
| ρin      | Input VSWR          |                                                                                                  |                | 2.5 | -    |
| -        | Load VSWR tolerance | Vcc1 = Vcc2 = 15.2V<br>Po = 6W (Pin : controlled), ZG = 50Ω<br>Load VSWR=20:1 (All phase), 5sec. | No degradation |     | -    |