

查询M57732L供应商

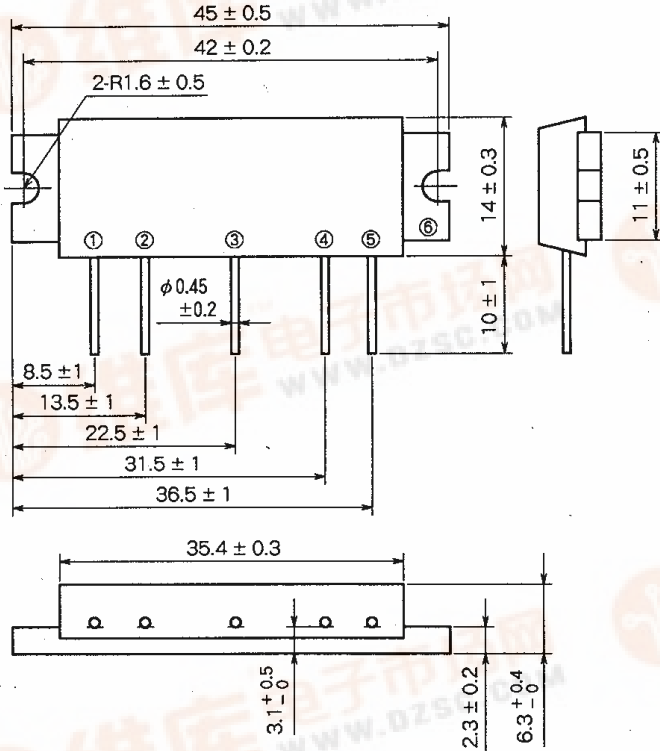
MITSUBISHI RF POWER MODULE  
捷多邦, 专业PCB打样工厂, 24小时加急出货

**M57732L**

135-160MHz, 12.5V, 7W, FM PORTABLE RADIO

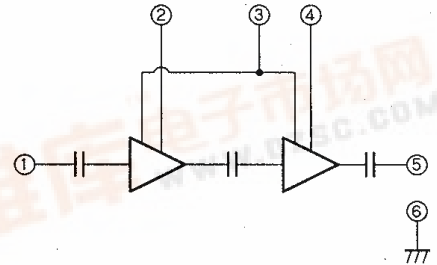
**OUTLINE DRAWING**

Dimensions in mm



H12

**BLOCK DIAGRAM**



PIN :

- ① Pin : RF INPUT
- ② Vcc1 : 1st. DC SUPPLY
- ③ Vbb : BASE BIAS SUPPLY
- ④ Vcc2 : 2nd. DC SUPPLY
- ⑤ Po : RF OUTPUT
- ⑥ GND : FIN

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

| Symbol   | Parameter                  | Conditions                   | Ratings     | Unit |
|----------|----------------------------|------------------------------|-------------|------|
| Vcc      | Supply voltage             |                              | 16          | V    |
| Vbb      | Base bias                  |                              | 6           | V    |
| Icc      | Total current              |                              | 4           | A    |
| Pin(max) | Input power                | Vcc1 = 12.5V, ZG = ZL = 50 Ω | 40          | mW   |
| Po(max)  | Output power               | ZG = ZL = 50 Ω               | 10          | W    |
| Tc(OP)   | Operation case temperature |                              | - 30 to 110 | °C   |
| Tstg     | Storage temperature        |                              | - 40 to 110 | °C   |

Note. Above parameters are guaranteed independently.

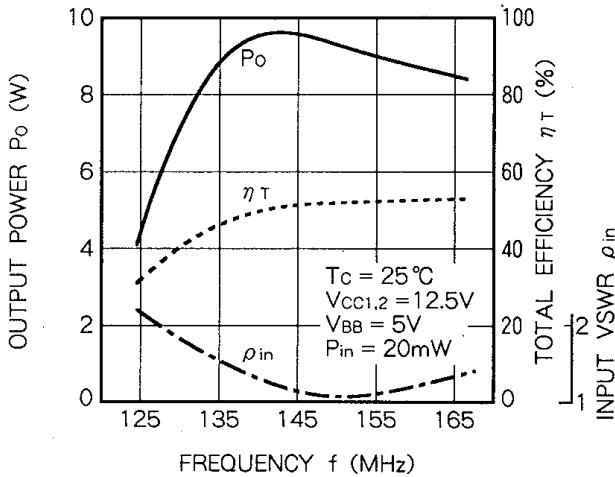
**ELECTRICAL CHARACTERISTICS** (Tc = 25 °C unless otherwise noted)

| Symbol | Parameter           | Test conditions   | Limits                    |      | Unit |
|--------|---------------------|---|---------------------------|------|------|
|        |                     |   | Min                       | Max  |      |
| f      | Frequency range     |   | 135                       | 160  | MHz  |
| Po     | Output power        | Vcc1 = Vcc2 = 12.5V   | 7                         |      | W    |
| ηT     | Total efficiency    | Vbb = 5V  | 40                        |      | %    |
| 2fo    | 2nd. harmonic       | Pin = 20mW  |                           | - 20 | dBc  |
| 3fo    | 3rd. harmonic       | ZG = ZL = 50 Ω  |                           | - 30 | dBc  |
| ρin    | Input VSWR          |   |                           | 2.5  | -    |
|        | Load VSWR tolerance | Vcc1 = Vcc2 = 13.2V, Vbb = 5V<br>Po = 7W (Pin : controlled)<br>Load VSWR = 20 : 1 (All phase)<br>ZG = 50Ω | No degradation or destroy |      | -    |

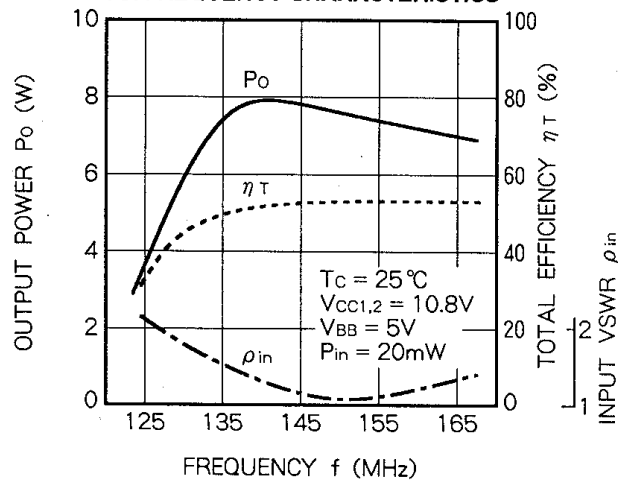
Note. Above parameters, ratings, limits and conditions are subject to change.

TYPICAL PERFORMANCE DATA

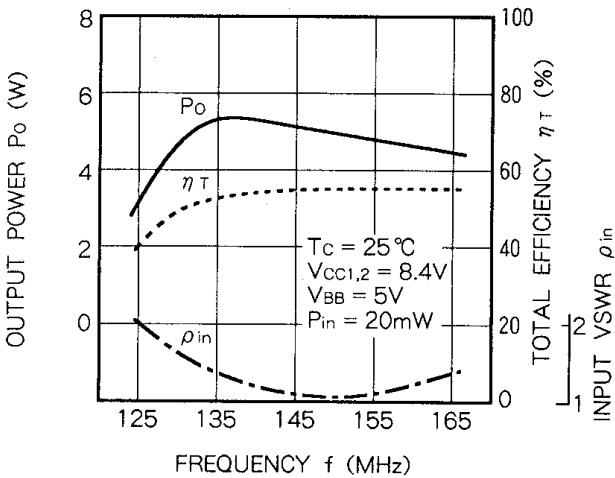
OUTPUT POWER, TOTAL EFFICIENCY, INPUT VSWR VS. FREQUENCY CHARACTERISTICS



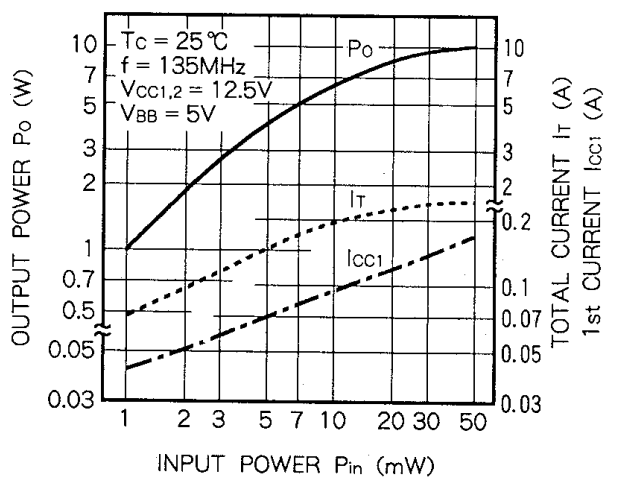
OUTPUT POWER, TOTAL EFFICIENCY, INPUT VSWR VS. FREQUENCY CHARACTERISTICS



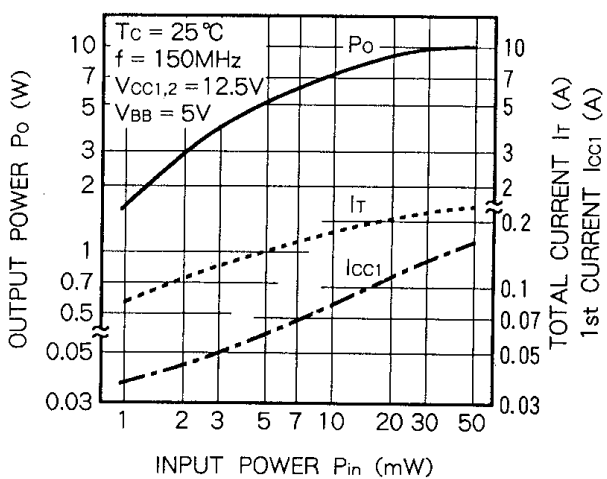
OUTPUT POWER, TOTAL EFFICIENCY, INPUT VSWR VS. FREQUENCY CHARACTERISTICS



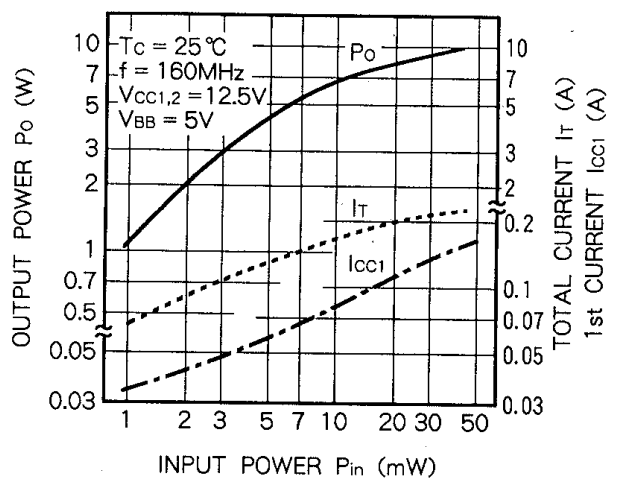
OUTPUT POWER, TOTAL CURRENT, 1st CURRENT VS. INPUT POWER CHARACTERISTICS



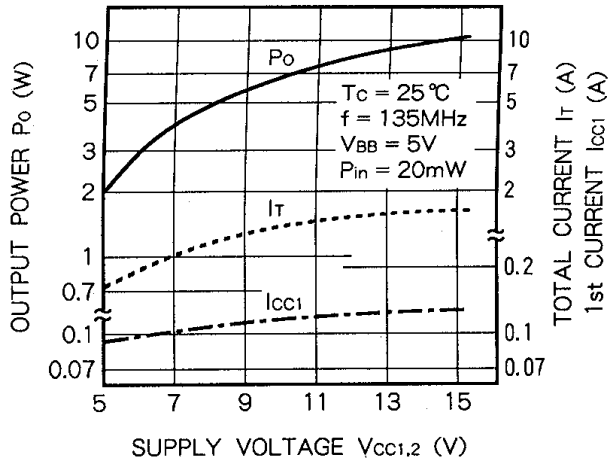
OUTPUT POWER, TOTAL CURRENT, 1st CURRENT VS. INPUT POWER CHARACTERISTICS



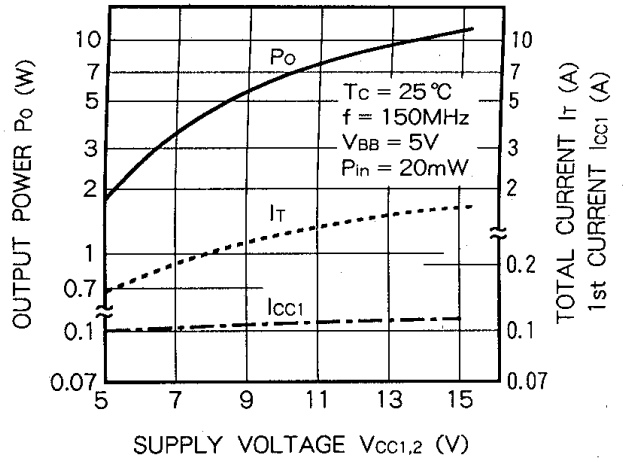
OUTPUT POWER, TOTAL CURRENT, 1st CURRENT VS. INPUT POWER CHARACTERISTICS



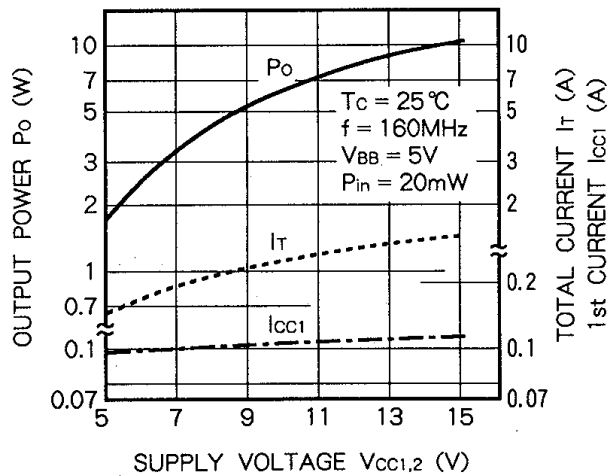
**OUTPUT POWER, TOTAL CURRENT, 1st CURRENT VS. SUPPLY VOLTAGE CHARACTERISTICS**



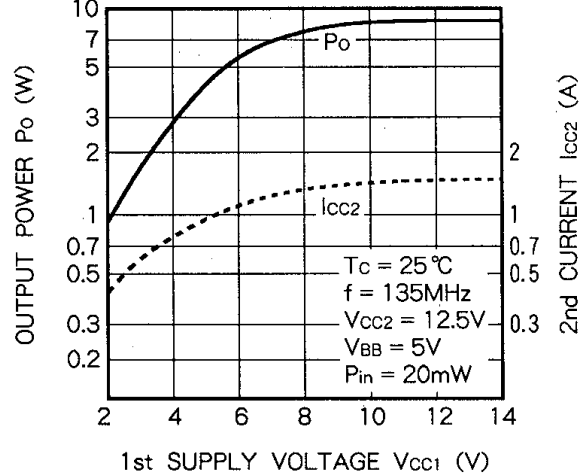
**OUTPUT POWER, TOTAL CURRENT, 1st CURRENT VS. SUPPLY VOLTAGE CHARACTERISTICS**



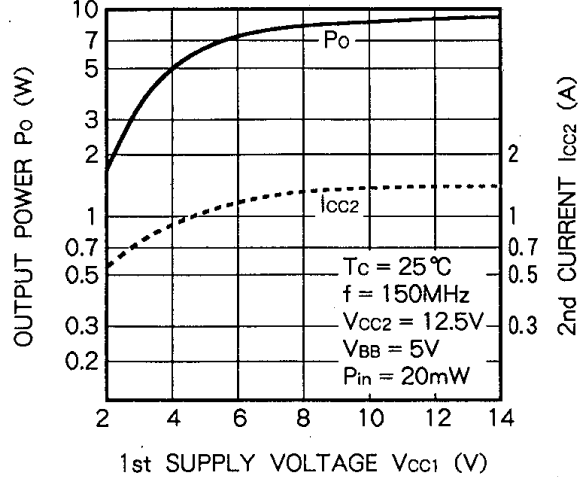
**OUTPUT POWER, TOTAL CURRENT, 1st CURRENT VS. SUPPLY VOLTAGE CHARACTERISTICS**



**OUTPUT POWER, 2nd CURRENT VS. 1st SUPPLY VOLTAGE CHARACTERISTICS**



**OUTPUT POWER, 2nd CURRENT VS. 1st SUPPLY VOLTAGE CHARACTERISTICS**



**OUTPUT POWER, 2nd CURRENT VS. 1st SUPPLY VOLTAGE CHARACTERISTICS**

