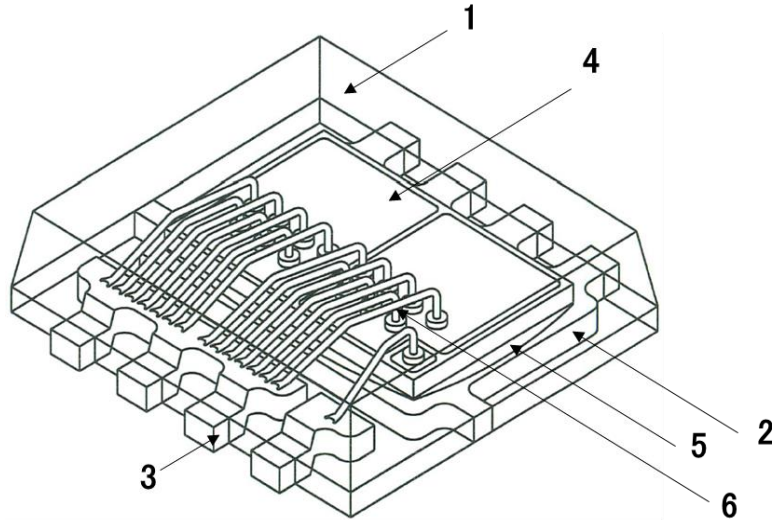


| | | | | | |
|---------|-------------------|---------|-------|--------|---------------------|
| Product | Transistor/MOSFET | Package | HSMT8 | Detail | Single, Copper Wire |
|---------|-------------------|---------|-------|--------|---------------------|



A direction of wire bonding and die bonding, a shape of frame, die size and the number of wires differ by P/N.

| No. | ITEM | MATERIAL |
|-----|------------------|--|
| 1 | Mold compound | Flame-retardant Epoxy Resin (UL:94V-0) |
| 2 | Lead frame | Base material : Copper Alloy Surface treatment : Silver (Partial plating) |
| 3 | External plating | Solder : Sn Thickness of solder plating : Typ.9 μ m |
| 4 | Die | Silicon |
| 5 | Die attach | Die Bonding : Silver |
| 6 | Bonding wire | Copper Wire |

Notes

- 1) The information contained herein is subject to change without notice.
- 2) Before you use our Products, please contact our sales representative and verify the latest specifications :
- 3) Although ROHM is continuously working to improve product reliability and quality, semiconductors can break down and malfunction due to various factors.
Therefore, in order to prevent personal injury or fire arising from failure, please take safety measures such as complying with the derating characteristics, implementing redundant and fire prevention designs, and utilizing backups and fail-safe procedures. ROHM shall have no responsibility for any damages arising out of the use of our Products beyond the rating specified by ROHM.
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- 5) The technical information specified herein is intended only to show the typical functions of and examples of application circuits for the Products. ROHM does not grant you, explicitly or implicitly, any license to use or exercise intellectual property or other rights held by ROHM or any other parties. ROHM shall have no responsibility whatsoever for any dispute arising out of the use of such technical information.
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- 7) The Products specified in this document are not designed to be radiation tolerant.
- 8) For use of our Products in applications requiring a high degree of reliability (as exemplified below), please contact and consult with a ROHM representative : transportation equipment (i.e. cars, ships, trains), primary communication equipment, traffic lights, fire/crime prevention, safety equipment, medical systems, servers, solar cells, and power transmission systems.
- 9) Do not use our Products in applications requiring extremely high reliability, such as aerospace equipment, nuclear power control systems, and submarine repeaters.
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