

Introducing New Surface Mount Dual NPN & PNP Transistors in SOT-26 Package: IMX8 & IMT4

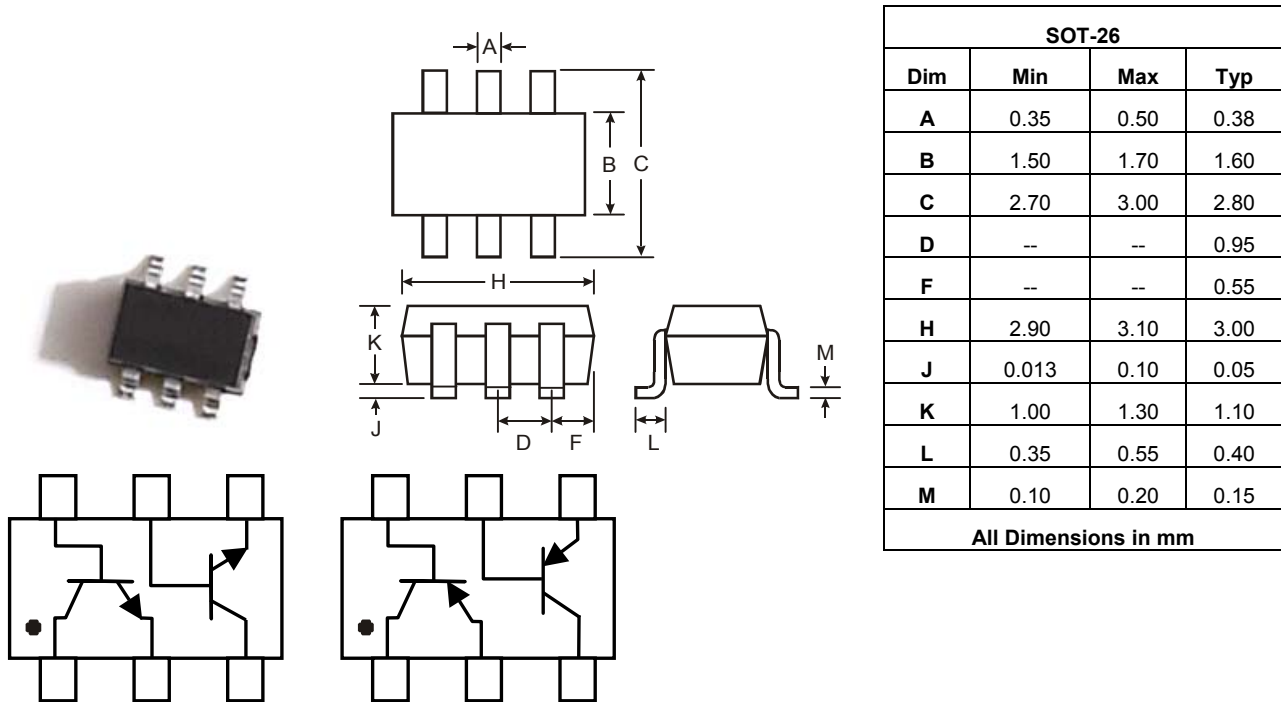


Figure 1. IMX8 Dual NPN

Figure 2. IMT4 Dual PNP

Benefits

1. Combines 2 Transistors into 1 Package = Saves 65% PCB area.
2. Requires placing 1 instead of 2 transistor devices = Saves 50% component placement costs.
3. Reduces number of discretes per board = Enables development of smaller circuits.
4. High breakdown voltage rating of 120 Volts.

Availability

- ❑ Samples *Now Available*
- ❑ Production Quantities stock to 6 weeks
- ❑ Data Sheet NOW Available at: www.diodes.com

Enter part number into our website Product Data Sheet search field, or click: [IMX8](#) or [IMT4](#)

Applications

1. Bias circuits where multiple BJT elements may be needed.
2. Amplifier circuits.
3. Switching circuits.

End Equipment Applications

- ❑ Audio amplifiers and pre-amplifiers.
- ❑ Smoke alarms.
- ❑ Sensor systems.

Crosses to Other Manufacturers' Parts

- ❑ Diodes, Inc.'s IMX8 equivalent cross to Rohm's IMX8
- ❑ Nearest equivalent to Hitachi 2SC4050
 - Diodes, Inc.'s IMX8 requires only one package to be placed on the PCB instead of two Hitachi 2SC4050 devices.
- ❑ Diodes IMT4 equivalent cross to Rohm's IMT4
- ❑ Nearest equivalent to Hitachi 2SA1566
 - Diodes, Inc.'s IMT4 requires only one package to be placed on the PCB instead of two Hitachi 2SA1566 devices.