

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

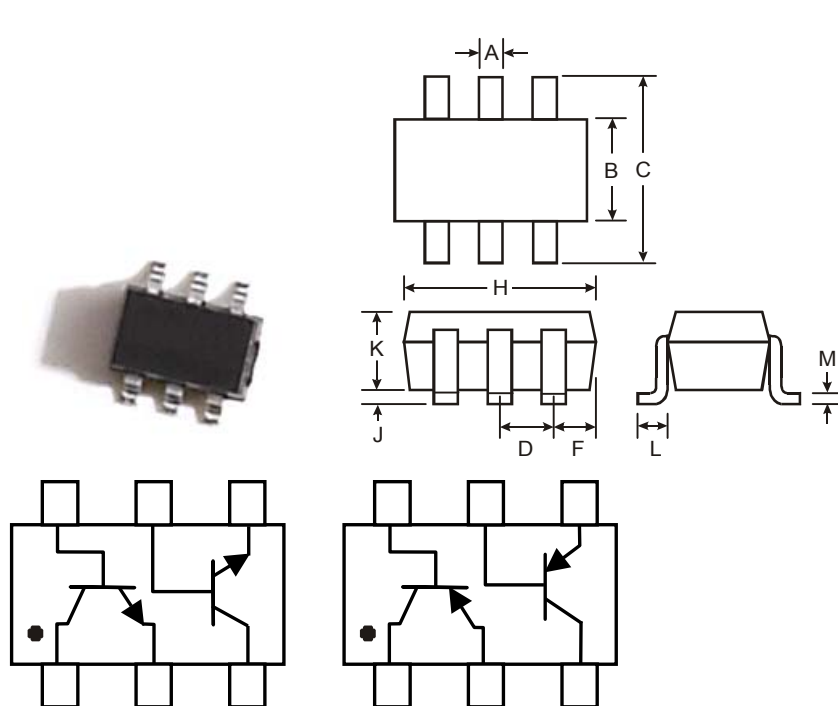


Figure 1. IMX8 Dual NPN

Figure 2. IMT4 Dual PNP

SOT-26			
Dim	Min	Max	Typ
A	0.35	0.50	0.38
B	1.50	1.70	1.60
C	2.70	3.00	2.80
D	--	--	0.95
F	--	--	0.55
H	2.90	3.10	3.00
J	0.013	0.10	0.05
K	1.00	1.30	1.10
L	0.35	0.55	0.40
M	0.10	0.20	0.15
All Dimensions in mm			

### 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](http://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.