

# ANTREX Electronics

Electronic Components Sourcing Information

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## Product Reference Information

**Part Number:** 2SK34260TL  
**Manufacturer:** Panasonic Electronic Components  
**Package:** SOT-723  
**Availability:** Please confirm with sales

**Product Page:**

<https://antrexco.com/product/details/panasonic-electronic-components/2sk34260tl.html>

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## Contact Information

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Supplier verification and packaging condition review

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Secure sourcing support for OEM / EMS projects

**Note:**

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

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# 2SK3426

## Silicon N-Channel Junction FET

For impedance conversion in low frequency

For electret capacitor microphone

### ■ Features

- High mutual conductance  $g_m$
- Low noise voltage NV

### ■ Package

- Code  
SSSMINI3-F1

### • Pin Name

- 1: Drain
- 2: Source
- 3: Gate

### ■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

| Parameter                        | Symbol    | Rating      | Unit             |
|----------------------------------|-----------|-------------|------------------|
| Drain-source voltage (Gate open) | $V_{DSO}$ | 20          | V                |
| Drain-gate voltage (Source open) | $V_{DGO}$ | 20          | V                |
| Drain-source current (Gate open) | $I_{DSO}$ | 2           | mA               |
| Drain-gate current (Source open) | $I_{DGO}$ | 2           | mA               |
| Gate-source current (Drain open) | $I_{GSO}$ | 2           | mA               |
| Power dissipation                | $P_D$     | 100         | mW               |
| Operating ambient temperature    | $T_{opr}$ | -20 to +80  | $^\circ\text{C}$ |
| Storage temperature              | $T_{stg}$ | -55 to +125 | $^\circ\text{C}$ |

### ■ Marking Symbol: 4E

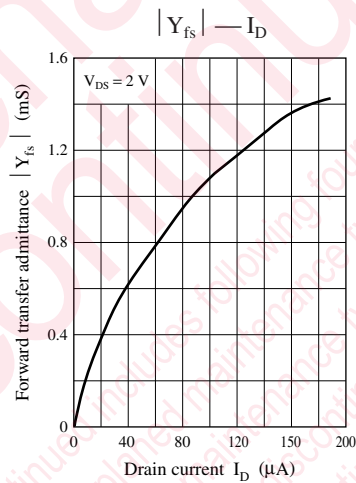
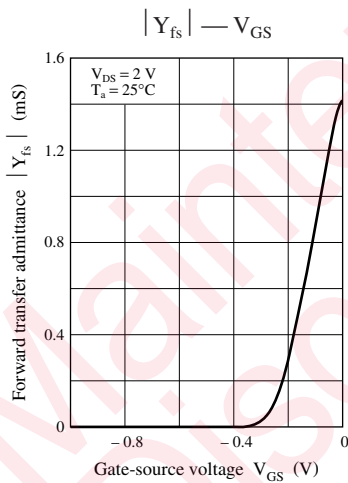
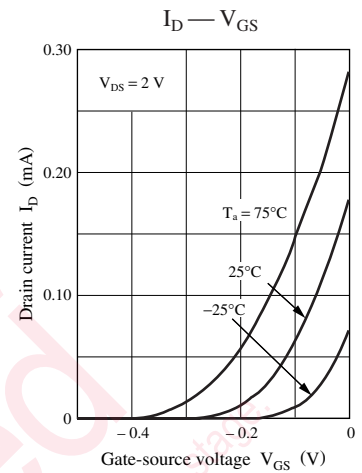
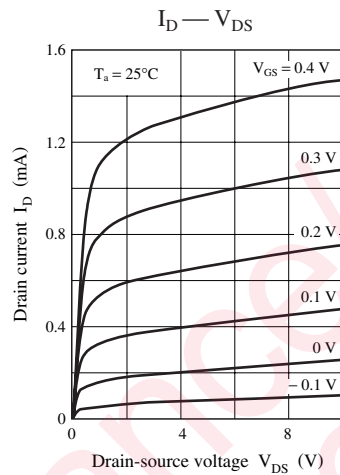
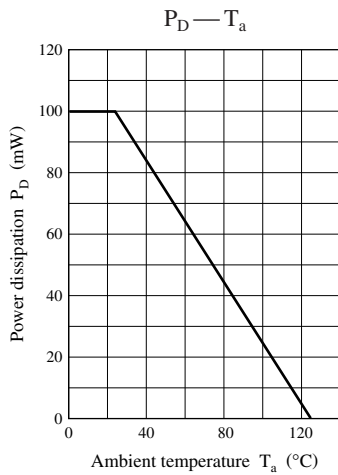
### ■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

| Parameter               | Symbol                    | Conditions                                                                                                                                     | Min  | Typ   | Max | Unit          |
|-------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----|---------------|
| Drain current *1        | $I_D$                     | $V_{DS} = 2.0\text{ V}$ , $R_D = 2.2\text{ k}\Omega \pm 1\%$                                                                                   | 100  |       | 460 | $\mu\text{A}$ |
| Drain-source current    | $I_{DSS}$                 | $V_{DS} = 2.0\text{ V}$ , $R_D = 2.2\text{ k}\Omega \pm 1\%$ , $V_{GS} = 0$                                                                    | 107  |       | 470 | $\mu\text{A}$ |
| Mutual conductance      | $g_m$                     | $V_D = 2.0\text{ V}$ , $V_{GS} = 0$ , $f = 1\text{ kHz}$                                                                                       | 660  | 1 600 |     | $\mu\text{S}$ |
| Noise voltage           | NV                        | $V_D = 2.0\text{ V}$ , $R_D = 2.2\text{ k}\Omega \pm 1\%$<br>$C_0 = 5\text{ pF}$ , A-Curve                                                     |      |       | 10  | $\mu\text{V}$ |
| Voltage gain            | $G_{V1}$                  | $V_D = 2.0\text{ V}$ , $R_D = 2.2\text{ k}\Omega \pm 1\%$<br>$C_0 = 5\text{ pF}$ , $e_G = 10\text{ mV}$ , $f = 1\text{ kHz}$                   | -7.5 | -4.7  |     | dB            |
|                         | $G_{V2}$                  | $V_D = 12\text{ V}$ , $R_D = 2.2\text{ k}\Omega \pm 1\%$<br>$C_0 = 5\text{ pF}$ , $e_G = 10\text{ mV}$ , $f = 1\text{ kHz}$                    | -4.0 | -1.5  |     |               |
|                         | $G_{V3}$                  | $V_D = 1.5\text{ V}$ , $R_D = 2.2\text{ k}\Omega \pm 1\%$<br>$C_0 = 5\text{ pF}$ , $e_G = 10\text{ mV}$ , $f = 1\text{ kHz}$                   | -8.0 | -5.0  |     |               |
|                         | $\Delta  G_V \cdot f $ *2 | $V_D = 2.0\text{ V}$ , $R_D = 2.2\text{ k}\Omega \pm 1\%$<br>$C_0 = 5\text{ pF}$ , $e_G = 10\text{ mV}$ , $f = 1\text{ kHz}$ to $70\text{ Hz}$ |      | 0     | 1.7 |               |
| Voltage gain difference | $ G_{V2} - G_{V1} $       |                                                                                                                                                | 0    |       | 4.0 | dB            |
|                         | $ G_{V1} - G_{V3} $       |                                                                                                                                                | 0    |       | 1.7 |               |

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

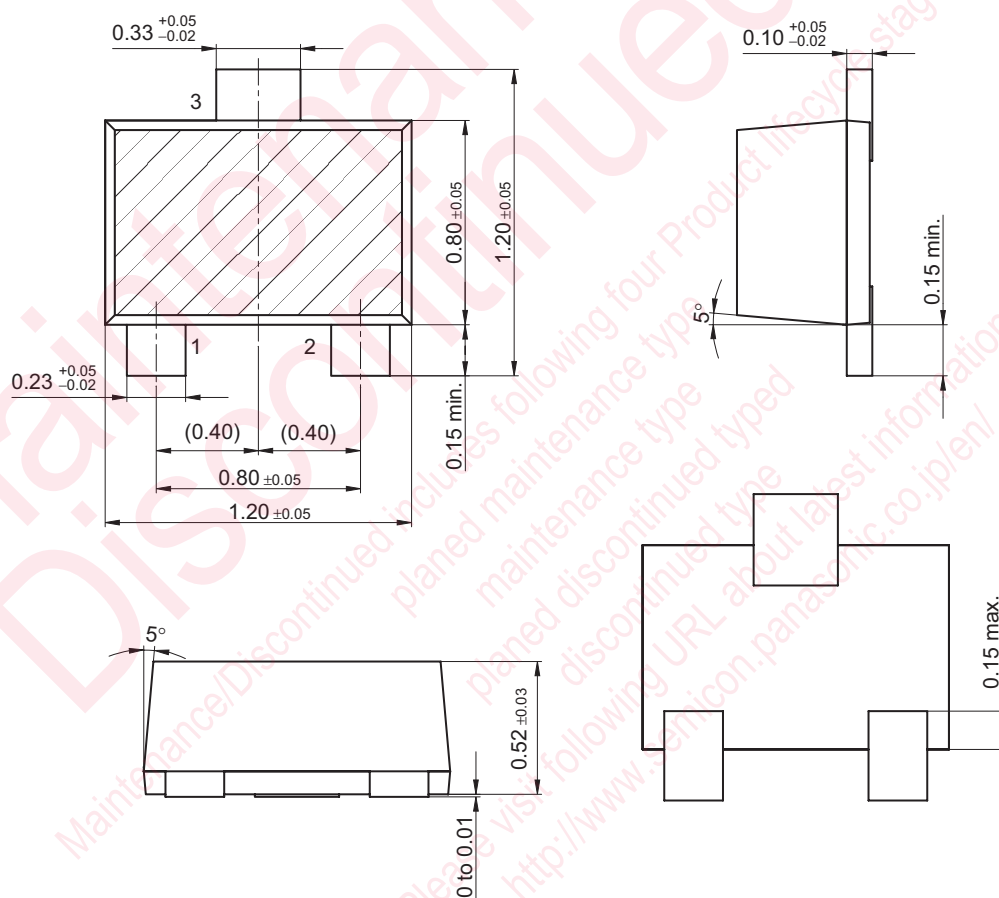
2. \*1:  $I_D$  is assured for  $I_{DSS}$ .

\*2:  $\Delta |G_V \cdot f|$  is assured for AQL 0.065%. (The measurement method is used by source-grounded circuit.)



## SSSMini3-F1

Unit: mm



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