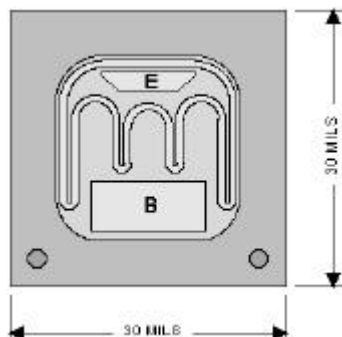


Chip Type 2C1893
Geometry 4500
Polarity NPN

Generic Packaged Parts:
2N1893, 2N1893S


[Request Quotation](#)

Chip type **2C1893** by Semicoa Semiconductors provides performance similar to these devices.

Part Numbers:

[2N1893](#), [2N1893S](#), 2N1893UB, SD1893, SD1893F, SQ1893, SQ1893F

Product Summary:

APPLICATIONS: Designed for medium power amplifier and switching applications.

Features:

- Medium power ratings

Mechanical Specifications

| | | |
|-------------------------|-------------------|----------------------|
| Metallization | Top | Al - 12 kÅ min. |
| | Backside | Au - 6.5 kÅ nom. |
| Bonding Pad Size | Emitter | 2.3 mils x 7.0 mils |
| | Base | 5.0 mils x 11.0 mils |
| Die Thickness | 8 mils nominal | |
| Chip Area | 30 mils x 30 mils | |
| Top Surface | Silox Passivated | |

Electrical Characteristics

$$T_A = 25^{\circ}\text{C}$$

| Parameter | Test conditions | Min | Max | Unit |
|------------|---|-----|-----|-------|
| BV_{CBO} | $I_C = 100 \mu\text{A}$, $I_E = 0$ | 120 | --- | V dc |
| BV_{EBO} | $I_E = 100 \mu\text{A}$, $I_C = 0$ | 7.0 | --- | V dc |
| I_{CBO} | $V_{CB} = 60 \text{ V}$, $I_E = 0$ | --- | 10 | nA dc |
| h_{FE} | $I_C = 150 \text{ mA dc}$, $V_{CE} = 10 \text{ V}$ | 40 | 120 | --- |

Due to limitations of probe testing, only dc parameters are tested. This must be done with pulse width less than 300 μs , duty cycle less than 2%.