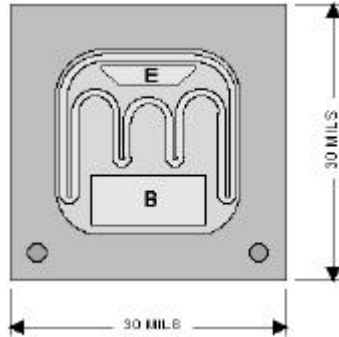


**Chip Type 2C1893**  
**Geometry 4500**  
**Polarity NPN**

**Generic Packaged Parts:**  
**2N1893, 2N1893S**



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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  $\mu\text{s}$ , duty cycle less than 2%.*