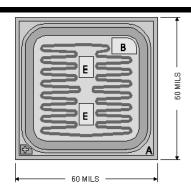


Chip Type 2C3506 Geometry 1506 Polarity NPN

Generic Packaged Parts:

2N3506, 2N3507



Request Quotation

Chip type **2C3506** by Semicoa Semiconductors provides performance similar to these devices.

Part Numbers:

2N3506, 2N3506L, 2N3507, 2N3507L

Product Summary:

APPLICATIONS: Designed for high current, high speed saturated switching and core driver applications.

Features:

High current and high speed capability

Mechanical Specifications		
Metallization	Тор	AI - 22 kÅ min.
	Backside	Au - 6.5 kÅ nom.
Bonding Pad Size	Emitter	9.0 mils x 6.0 mils
	Base	7.0 mils x 11.0 mils
Die Thickness	8 mils nominal	
Chip Area	60 mils x 60 mils	
Top Surface	Silox Passivated	

Electrical Characteristics $T_A = 25^{\circ}C$ **Parameter Test conditions** Min Max Unit $I_C = 10 \text{ mA}, I_B = 0$ V dc BV_{CEO} BV_{CBO} $I_C = 100 \, \mu A, \, I_E = 0$ V dc 60 --- BV_{EBO} $I_E = 10 \mu A, I_C = 0$ 5.0 V dc $I_C = 500 \text{ mA dc}, V_{CE} = 1.0 \text{ V}$ 50 h_{FE}

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%.