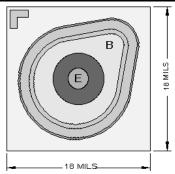


Chip Type 2C2605 Geometry 0220 Polarity NPN Data Sheet No. 2C2605

**Generic Packaged Parts:** 

2N2604, 2N2605, 2N3798, 2N3799, 2N3810, 2N3811



**Request Quotation** 

Chip type **2C2605** by Semicoa Semiconductors provides performance similar to these devices.

## Part Numbers:

2N2604, 2N2605, 2N3789, 2N3799, 2N3810, 2N3811

**Product Summary:** 

**APPLICATIONS:** Designed for high speed switching applications.

## Features:

• High speed switching capabilities

Mechanical Specifications						
Metallization	Тор	Al - 19.5 kÅ min.				
	Backside	Au - 6.5 kÅ nom.				
Bonding Pad Size	Emitter	3.6 mils diameter				
	Base	2.5 mils diameter				
Die Thickness		8 mils nominal				
Chip Area		18 mils x 18 mils				
Top Surface	Silox Passivated					

Electrical Characteristics						
$T_A = 25^{\circ}C$						
Parameter	Test conditions	Min	Max	Unit		
BV <sub>CEO</sub>	$I_{\rm C} = 10.0 \text{ A}, I_{\rm B} = 0$	60		V dc		
BV <sub>CBO</sub>	$I_{\rm C} = 10 \ \mu A, \ I_{\rm E} = 0$	70		V dc		
BV <sub>EBO</sub>	$I_{\rm E} = 10 \ \mu A, \ I_{\rm C} = 0$	6.0		V dc		
I <sub>CBO</sub>	$V_{CB} = 60 \text{ Vc}, I_{E} = 0$		10	nA		
h <sub>FE</sub>	$I_{C} = 500 \ \mu A \ dc, \ V_{CE} = 5.0 \ V$	150	450			

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