

# Voltage-to-Current Transducer

vct

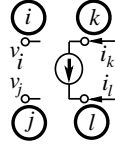


Figure 1: Voltage-to-Current Transducer element.

*Form:* `vct:<instance name> n1 n2 n3 <parameter list>`

*n<sub>1</sub>, n<sub>2</sub> and n<sub>3</sub>* are the element nodes.

*Parameters:*

Parameter	Type	Default value	Required?
gamma: Element parameter	DOUBLE	n/a	yes
beta: Element parameter	DOUBLE	n/a	yes
kf: Element parameter	DOUBLE	n/a	yes
poly: Element parameter	DOUBLE VECTOR	See source file.	no

*Example:*

```
vct:a11 1 3 2 gamma=-2.3 beta=8 kf=0.0025 poly = <5.979287283058695e-4
-2.334033466242205e-02 6.282215276145409e-02 -4.319540162756818e-02
9.169340904889009e-03>
```

*Notes:*

There is no SPICE compatible element.

*Version:*

2000.09.01

*Credits:*

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Links

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