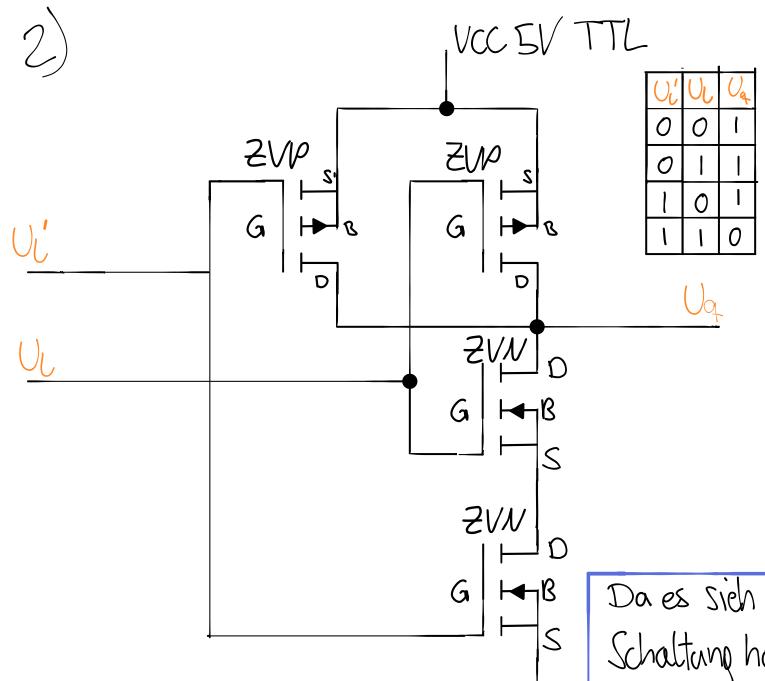


Das Gate ist durch S102 Schicht isoliert.

=) Gate ist nicht intern verbunden. Wie auch das Schaltsymbol andeutet. Dies morcht einen unipolaren Tromkistor aus.



1.3

SNN 2106 A:

 $mox. V_{DS} = 60V$

VGS(H) = min 0,8 V max 2,4V @ ID = 1/mA 1 VOS = VGS

Retriebstemperaturberaich:

-55 Lis 1500°

					1072	Compatible
ABSOLUTE MAXIMUM RA	TINGS.					
PARAMETER			SYMBOL		VALUE	UNIT
Drain-Source Voltage			V _{DS}		60	V
Continuous Drain Current at T _{amb} =25°C			I _D		450	mA
Pulsed Drain Current			I _{DM}		8	Α
Gate Source Voltage			V _{GS}		± 20	V
Power Dissipation at T _{amb} =25°C			P _{tot}		700	mW
Operating and Storage Temperature Range			T _j :T _{stg}		-55 to +150	°C
ELECTRICAL CHARACTERIS	STICS (at	T _{amb}	= 25°C	unle	ss otherwise	stated).
PARAMETER	SYMBOL	MIN.	MAX.	UNIT	CONDITIONS.	
Drain-Source Breakdown Voltage	BV _{DSS}	60		V	I _D =1mA, V _{GS} =0V	
Gate-Source Threshold Voltage	V _{GS(th)}	0.8	2.4	V	ID=1mA, V _{DS} = V _{GS}	
Gate-Body Leakage	I _{GSS}		20	nA	V _{GS} =± 20V, V _{DS}	_S =0V
Zero Gate Voltage Drain Current	I _{DSS}		500 100	nΑ μΑ	V _{DS} =60 V, V _{GS} =0 V _{DS} =48 V, V _{GS} =0V, T=125°C(2)	
On-State Drain Current(1)	I _{D(on)}	2		Α	V _{DS} =18V, V _{GS} =10V	
Static Drain-Source On-State Resistance (1)	R _{DS(on)}		2	Ω	$V_{GS}=10V,I_D=1A$	
Forward Transconductance (1)(2)	g _{fs}	300		mS	V _{DS} =18V,I _D =1A	
Input Capacitance (2)	C _{iss}		75	pF	V _{DS} =18 V, V _{GS} =0V, f=1MHz	
Common Source Output Capacitance (2)	C _{oss}		45	pF		
Reverse Transfer Capacitance	C _{rss}		20	pF		

ZVP2106A:

max. Vos=-60V

VGS(H) = min-1,5 V max 3,5 V

@ ID=-1mA 1 Vos=Vas

Retriebstemperaturberaidn:
-55 bis 1500°

PARAMETER	SYMBOL	VALUE	UNIT
Drain-Source Voltage	V _{DS}	-60	V
Continuous Drain Current at T _{amb} =25°C	I _D	-280	mA
Pulsed Drain Current	I _{DM}	-4	Α
Gate Source Voltage	V_{GS}	± 20	V
Power Dissipation at T _{amb} =25°C	P _{tot}	700	mW
Operating and Storage Temperature Range	T _i :T _{sta}	-55 to +150	°C

PARAMETER	SYMBOL	MIN.	MAX.	UNIT	CONDITIONS.	
Drain-Source Breakdown Voltage	BV _{DSS}	-60		V	I _D =-1mA, V _{GS} =0V	
Gate-Source Threshold Voltage	V _{GS(th)}	-1.5	-3.5	V	ID=-1mA, V _{DS} = V _{GS}	
Gate-Body Leakage	I _{GSS}		20	nA	V _{GS} =± 20V, V _{DS} =0V	
Zero Gate Voltage Drain Current	I _{DSS}		-0.5 -100	μΑ μ Α	V _{DS} =-60 V, V _{GS} =0 V _{DS} =-48 V, V _{GS} =0V, T=125°C(2	
On-State Drain Current(1)	I _{D(on)}	-1		Α	V _{DS} =-18 V, V _{GS} =-10V	
Static Drain-Source On-State Resistance (1)	R _{DS(on)}		5	Ω	V _{GS} =-10V,I _D =-500mA	
Forward Transconductance (1)(2)	g _{fs}	150		mS	V _{DS} =-18V,I _D =-500mA	
Input Capacitance (2)	C _{iss}		100	pF		
Common Source Output Capacitance (2)	C _{oss}		60	pF	V _{DS} =-18V, V _{GS} =0V, f=1MHz	
Reverse Transfer Capacitance (2)	C _{rss}		20	pF		
Turn-On Delay Time (2)(3)	t _{d(on)}		7	ns		
Rise Time (2)(3)	t _r		15	ns	V _{DD} ≈-18V, I _D =-500mA	
Turn-Off Delay Time (2)(3)	t _{d(off)}		12	ns	, in the second	
Fall Time (2)(3)	t _f		15	ns		

Da es sich umeine Tronsistor Tronsistor Cogik Schaltung handelt würde sich die stondard spannung von OV für LOW 15V für HIGH anbieten. Diese ist auch weit über der Threstodardtage.