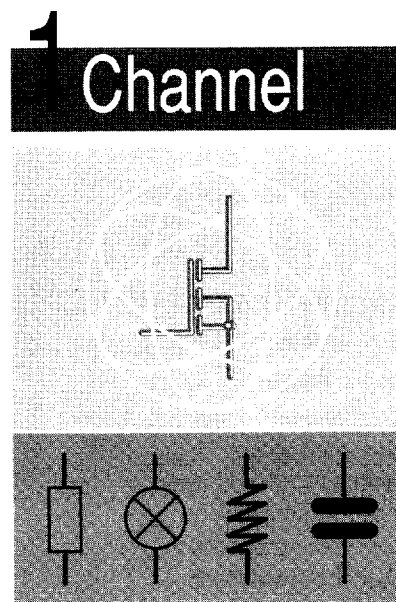


Smart Power Switches

One Channel High Side Switches



TEMPFET®

(Smart SIPMOS® Technology)

Features

- Overload protection
- Short circuit protection with external circuitry
- Thermal shutdown
- Status feedback (single) with external resistor at input

P-Kanal-Anreicherungstyp

P-Channel Enhancement Type

Typ Type	V_{DS} V	$R_{DS(ON) max}$ Ω	$I_{D ISO}$ A	$I_{D-MOS(max)}$ A	Bestellnummer Ordering Code	Gehäuse Package	Bild Figure
BTS 100	- 50	300	- 1.5	- 8	C67078-A5007-A2	P-TO220-3-1	21a
BTS 100-E3045A	- 50	300	- 1.5	- 8	C67078-A5007-A12	P-TO220-3-45	22

PROFET®

(Smart SIPMOS® Technology)

General Features

- Overload protection
- Current limitation
- Short circuit protection
- Thermal shutdown
- Overvoltage protection (including load dump)
- Fast demagnetization of inductive loads
- Reverse battery protection
- Undervoltage and overvoltage shutdown with auto-restart and hysteresis
- Diagnostic feedback
- Open load detection
- CMOS- and TTL compatible input
- Loss of ground and loss of V_{bb} protection
- Electrostatic discharge (ESD) protection

Einkanalschalter mit hoher interner Strombegrenzung

One Channel Switches with Internal Current Limit at High Value

Typ Type	Logic Version	$V_{bb(AZ)}$ V	$R_{ON(max)}$ m Ω	$I_{L ISO}$ A	$I_{L(SCR)}$ A	Bestellnummer Ordering Code	Gehäuse Package	Bild Figure
BTS 305		> 50	38	10	10	on request	P-TO220-5-3	25
BTS 305-E3043		> 50	38	10	10	on request	P-TO220-5-43	27
BTS 305-E3062A		> 50	38	10	10	on request	P-TO220-5-62	28
BTS 306		> 50	220	1.6	8	on request	P-TO220-5-3	25
BTS 306-E3043		> 50	220	1.6	8	on request	P-TO220-5-43	27
BTS 306-E3062A		> 50	220	1.6	8	C67078-S5202-A3	P-TO220-5-62	28
BTS 307		> 65	250	1.6	9	on request	P-TO220-5-3	25
BTS 307-E3043		> 65	250	1.6	9	C67078-S5204-A3	P-TO220-5-43	27
BTS 307-E3062A		> 65	250	1.6	9	on request	P-TO-22-5-62	28
BTS 308		> 65	300	1.6	5.5	on request	P-TO220-5-3	25
BTS 308-E3043		> 65	300	1.6	5.5	on request	P-TO220-5-43	27
BTS 308-E3062A		> 65	300	1.6	5.5	on request	P-TO220-5-62	28