

1.Features

- ◆ 30V MOSFET technology
- ◆ Low on-state resistance
- ◆ Fast switching
- ◆ $V_{gs} \pm 20V$

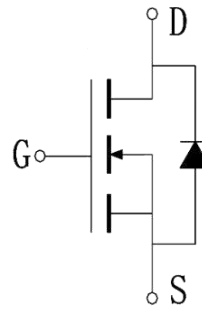
V_{DS}	$R_{DS(on)}$ Typ.	I_D
30V	6.5mΩ @ 10V	12A
	9.5mΩ @ 4.5V	

2.Applications

- ◆ Power Switching Application
- ◆ Load Switching



SOP8
Pin Description



Schematic Diagram

3.Package Marking and Ordering Information

Part no.	Marking	Package	PCS/Reel	PCS/CTN.
TCS1910B_SH	4406D	SOP8	4,000	48,000

4.Absolute Max Ratings at $T_a=25^\circ C$ (Note1)

Parameter	Symbol	Maximum	Units
Drain to Source Voltage	V_{DSS}	30	V
Gate to Source Voltage	V_{GSS}	± 20	V
Drain Current (DC)	I_D	12	A
Drain Current (Pulse), $PW \leq 300\mu s$	I_{DM}	32	A
Avalanche Energy, Single Pulsed	E_{AS}	81	mJ
Total Dissipation	P_D	2.3	W
Junction Temperature	T_j	150	$^\circ C$
Storage Temperature	T_{stg}	-55 to +150	$^\circ C$

Note 1: Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.