Features

- The protection IC and The Dual- Nch MOSFET to use common Drain are integrated into One- packaging IC.
- 2. Reduced Pin- Count by fully connecting internally.
- 3. Application Part
- Protection IC
- Uses high withstand voltage CMOS process.
 - The charger section can be connected up to absolute maximum rating 30V.
- ② Detection voltage precision
 - Overcharge detection voltage

Overdischarge detection voltage

Discharge overcurrent detection voltage

- Charging overcurrent detection voltage

- 3 Built- in detection delay times (timer circuit)
 - Overcharge detection delay time

- Overdischarge detection delay time

- Discharge overcurrent detection delay time

- Charging overcurrent detection delay time

- Short detection delay time

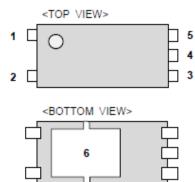
- 4 0V charge function is allowed
- Auto Wake- up function is not allowed

2) FET

- ① Using advanced trench technology to provide excellent Roscon, low gate charge and operation with gate voltage as low as 2.5V while retaining a 12V Vasawo.
- 2 The protection for ESD
- 3 Common drain configuration
- ④ General characteristics
 - $V_{ps} (V) = 24V$
 - $I_{n}(A) = 7A$
 - $R_{SS(OM)} < 45m\Omega$ (Vas = 4.5V, In = 5A)
 - ESD Rating: 2000V HBM

Pin Assignment

[Package: TEP-5L]



1	VDD
2	Source 1 (same as Vss)
3	Source 2
4	N.C (No connected)
5	V -
6	Drain

Block Diagram

