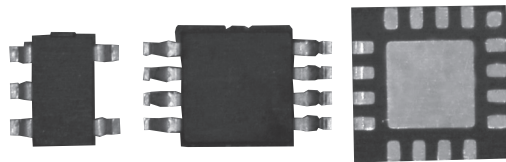


W series

WHITE LED DRIVERS



■ SUMMARY

White LED driver “W series”, these are driver ICs for the purpose of activating white LEDs used for backlight illumination in LCDs found in handheld electronic devices, such as mobile phones and PDAs.

The “W Series” includes not only driver ICs used simply for lighting up white LEDs, but also includes a type that can individually activate 4 separate LEDs and a type that can divide 6 LEDs into groups and activate them, making these ideal products for powering handheld electronic devices.

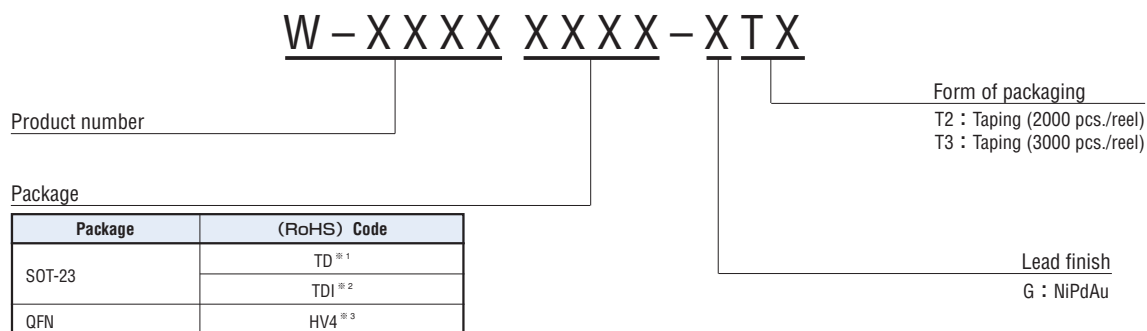
■ FEATURES

- Environmentally friendly “RoHS compliant” (Lead-Free and Halogen-Free)
- Low-cost
- Power efficiency greater than 80 %
- Small size and extremely low-profile package 5, 6pin SOT-23, QFN
- Compatible pinout with conventional white LED drivers LTC/SC

■ PRODUCT FAMILY

- LCD and keypad backlighting for handheld electronic devices
W-52, W-6137, W-6139, W-6237, W-6238,
W-5200-5, W-5626

■ PART NUMBER DESIGNATION



Taping code and quantity

Package	Taping quantity (pcs./reel)	
	T2	T3
SOT23		○
QFN (4x4)	○	

- ※ 1 : The relevant products are W-6137, W-6237, W-6238.
- ※ 2 : The relevant products are W-52, W-5200-5.
- ※ 3 : The relevant products are W-5626.

■ LIST OF PART NUMBERS

Type for boosting	Product number	Maximum no. of LEDs	Input voltage (V)	Output current (mA)	Efficiency (%)	Package
Boost regulator	W-52	4	2.0 - 7.0	40	83	6-SOT-23
	W-6137	5	2.2 - 5.5	30	87	5-SOT23
	W-6139	27	2.8 - 5.5	180	87	5-SOT23
	W-6237	8	2.8 - 5.5	40	87	5-SOT23
	W-6238	10	- 5.5	30	87	5-SOT23
Charge pump regulator	W-5200-5	6	2.7 - 4.5	100	80	6-SOT23
	W-5626	6	3.0 - 5.5	32/ch	91	QFN16 (4x4)