

1 A Load Class, High-Frequency, Low-Noise Type Chopper Regulator

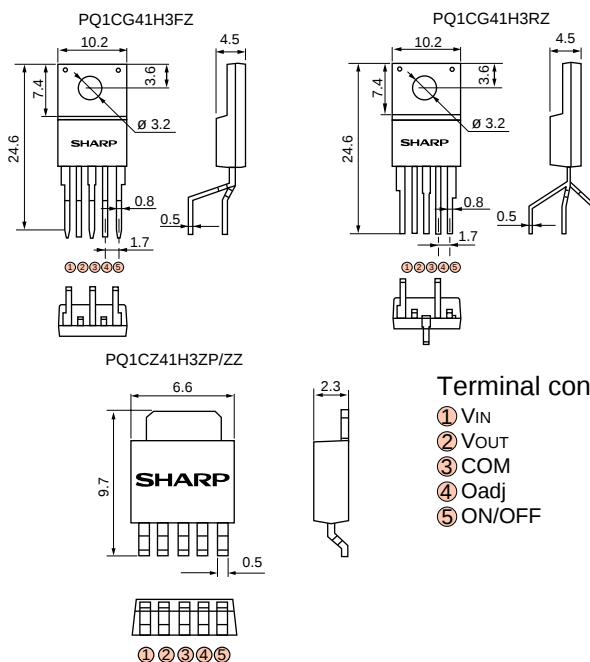
Features

- Lower noise (3 dB less than the conventional models, at half the voltage)
- High oscillation frequency: 300 kHz
Downsized, low-price external coil
- Switching current MAX. 1.5 A
(Recommended load current: MAX. 1 A)
- Built-in soft start function
- TO-220: Board embedding type package
SC-63: Surface mount type package

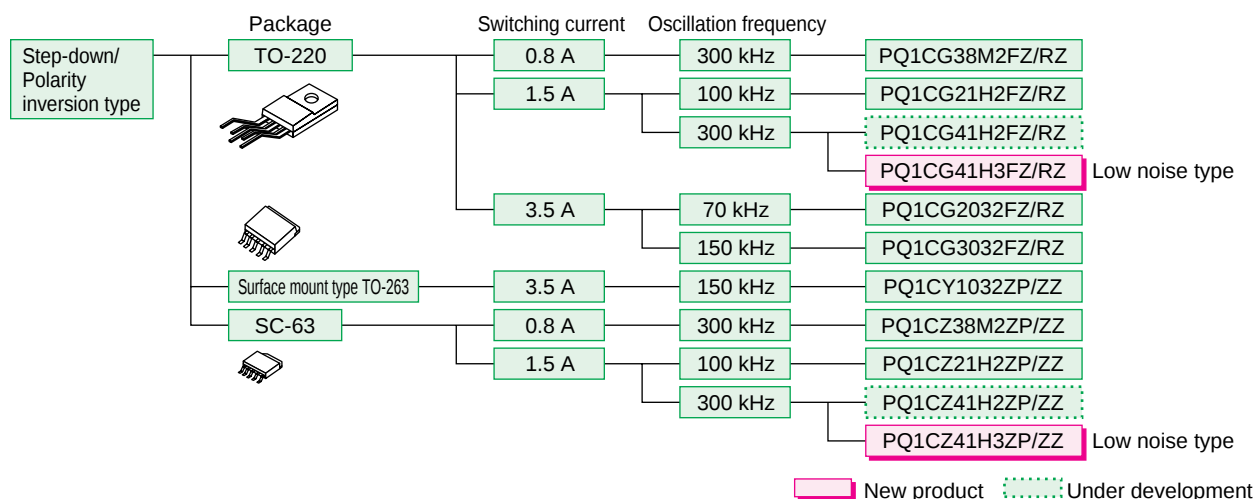
Specifications

Parameter	Symbol	Characteristics	Condition
Rated input voltage	V _{IN}	MAX. 40 V	
Output saturation voltage	V _{SAT}	MAX. 1.5 V	I _{sw} = 1.0 A
Maximum switching current	I _{sw}	MAX. 1.5 A	
Output OFF-state consumption current	I _{qs}	MAX. 12 mA	
Stand-by current	I _{sd}	MAX. 400 μ A	
Reference voltage	V _{ref}	TYP. 1.26 V	
Oscillation frequency	f _{osc}	TYP. 300 kHz	
Operating temperature	T _{opr}	-20 to +80 °C	

Outline Dimensions (Unit: mm)



Line-up of Chopper Regulator



Notice:

- In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP devices.
- Specifications are subject to change without notice for improvement.