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Sales & Marketing Group
-Electronic Components & Devices

Model PQxxxRDA1SZ series

TO-220, Low Current Dissipation at Off State, General-Purpose Low Power-Loss Voltage Regulator

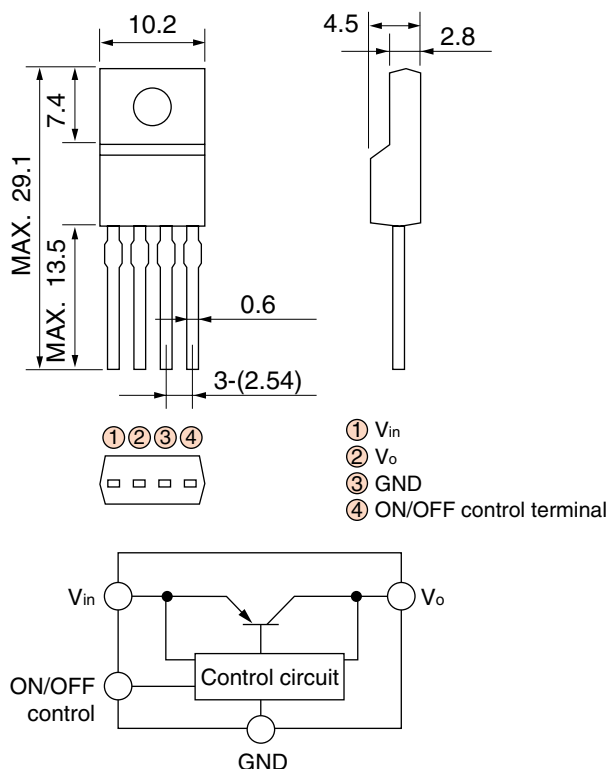
Features

- TO-220 package, 1 A output
- High collector-emitter voltage: V_{in} (MAX.) 24 V
- Low dissipation current
Quiescent current: MAX. 8 mA
Output OFF-state consumption current: MAX. 5 μ A
- Built-in ON/OFF control
- Built-in ASO protection circuit
- General purpose

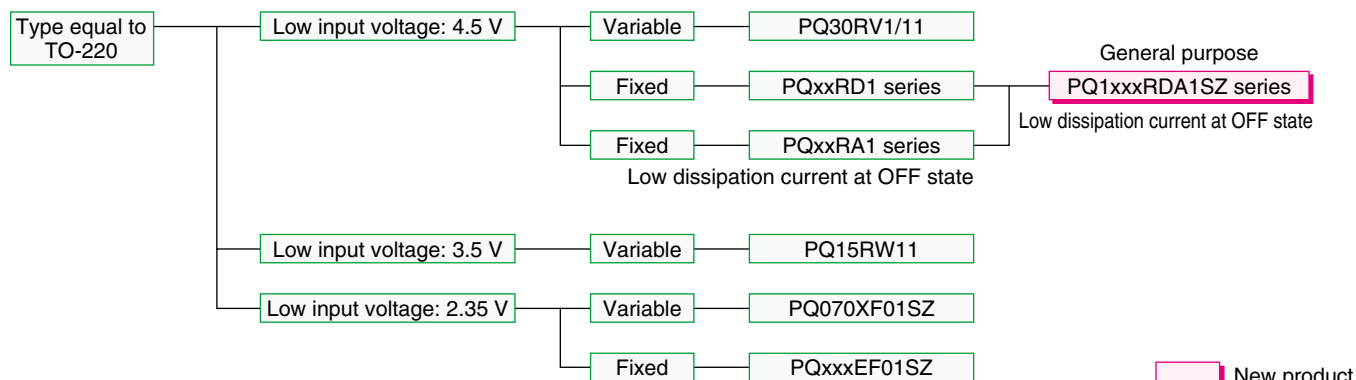
Specifications

Parameter	Symbol	Characteristics			
		PQ050RDA1SZ	PQ080RDA1SZ	PQ090RDA1SZ	PQ120RDA1SZ
Rated input voltage	V_{in}	24 V			
Output voltage	V_o	5 V $\pm$ 3 %	8 V $\pm$ 3 %	9 V $\pm$ 3 %	12 V $\pm$ 3 %
Output current	I_o	1 A			
Dropout voltage	V_{i-o}	MAX. 0.5 V($I_o=0.5$ A)			
Quiescent current	I_q	MAX. 8 mA			
Output OFF-state consumption current	I_{qs}	MAX. 5 μ A			
Operating temperature	T_{opr}	-30 to +85 °C			

Outline Dimensions (Unit: mm)



Line-up of Low Power-Loss Voltage Regulators



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, model names and availabilities are subject to change without notice for improvement.