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Sales & Marketing Group
-Electronic Components & Devices

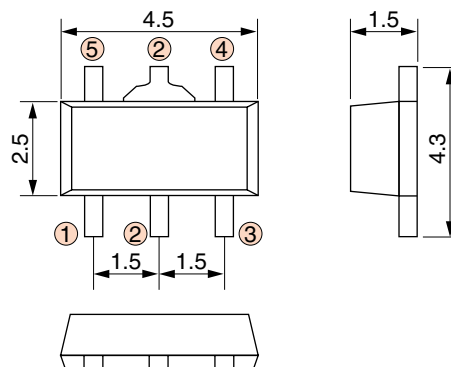
Model PQ1MX55M2SP

Variable Output SOT-89 Package, 500 mA Output Low Power-Loss Voltage Regulator

Features

- Compact high heat radiation package
- SOT-89 package: $4.5 \times 4.3 \times 1.5$ mm
- Variable output voltage type
- Output current: 500 mA
- Ceramic capacitors can be used for output smoothing

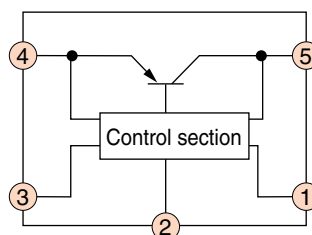
Outline Dimensions (Unit: mm)



Specifications

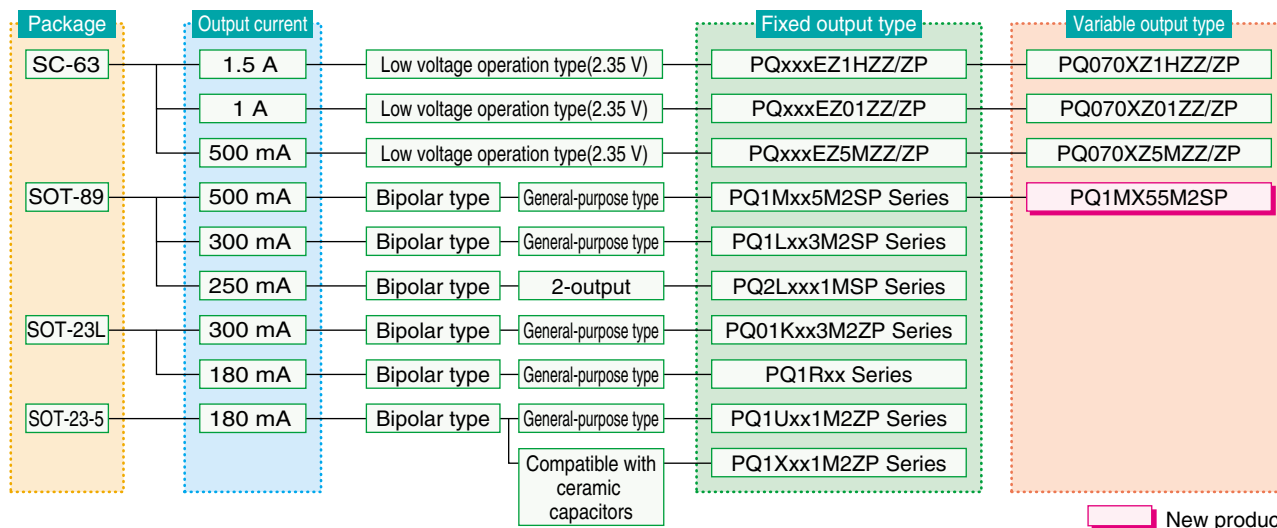
Parameter	Symbol	Characteristics	Condition
Rated input voltage	V_{in}	MAX. 9 V	
Output current	I_{op}	MIN. 500 mA	
Ripple rejection	RR	TYP. 55 dB	f=400 Hz sine wave
Output voltage	V_o	1.3 to 5.0 V	
Dropout voltage	V_{i-o}	MAX. 0.7 V	$I_o=500$ mA
Operating temperature	T_{opr}	-30 to +85 °C	

Internal Configuration Diagram



- ① Output voltage adjustment terminal (V_{ADJ})
- ② GND
- ③ ON/OFF control: V_c
- ④ DC input: V_{in}
- ⑤ DC output: V_o

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.