

PQ05RD11 Series/PQ3RD13

1A Output, General Purpose Low Power-loss Voltage Regulator

■ Features

- Low power-loss (Dropout voltage : MAX.0.5V at $I_o=0.5A$)
- Line-up for 3.3V, 5V, 9V and 12V output type
- Compact resin package (TO-220 package)
- High-precision output voltage type
(Output voltage precision: $\pm 3.0\%$)
- Built-in ON/OFF control function
- Built-in overcurrent protection, overheat protection, ASO protection circuit
- Lead forming type is also available.

Applications

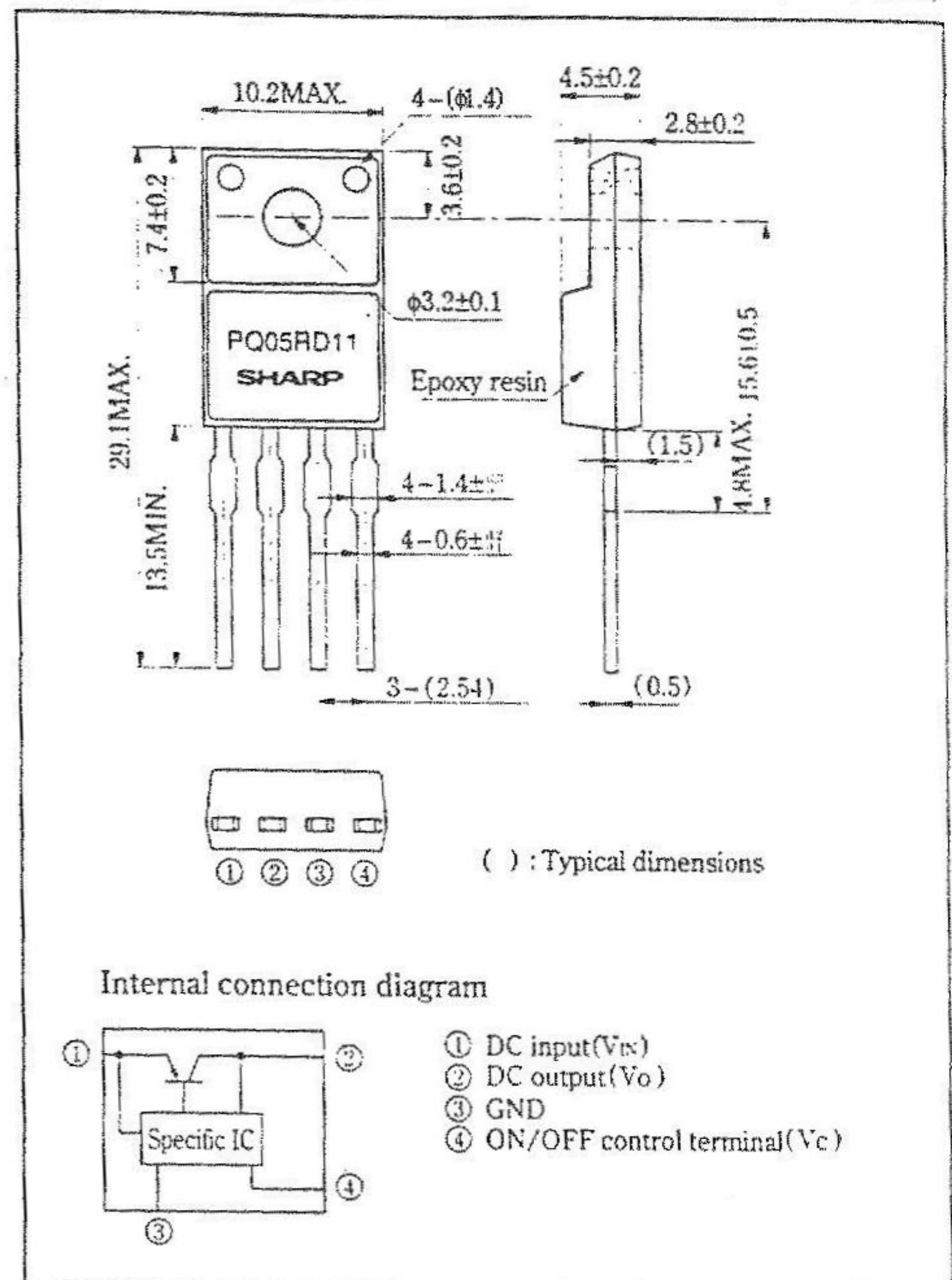
- Power supplies for various electronic equipment such as AV, OA equipment

■ Model Line-ups

	1.0A output
3.3V output	PQ3RD13
5.0V output	PQ05RD11
9.0V output	PQ09RD11
12.0V output	PQ12RD11

■ Outline Dimensions

(Unit : mm)



■ Absolute Maximum Ratings

($T_a=25^\circ C$)

Parameter	Symbol	Rating	Unit
+1 Input voltage	V_{IN}	20	V
+1 ON/OFF control terminal voltage	V_c	20	V
Output current	I_o	1.0	A
Power dissipation (No heat sink)	P_{D1}	1.4	W
Power dissipation (With infinite heat sink)	P_{D2}	15	
+2 Junction temperature	T_j	150	$^\circ C$
Operating temperature	T_{opr}	-20 to +80	$^\circ C$
Storage temperature	T_{str}	-40 to +150	$^\circ C$
Soldering temperature	T_{sol}	260 (For 10s)	$^\circ C$

+1 All are open except GND and applicable terminals.

+2 Overheat protection may operate at $125 \leq T_j \leq 150^\circ C$.

• Please refer to the chapter "Handling Precautions".

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