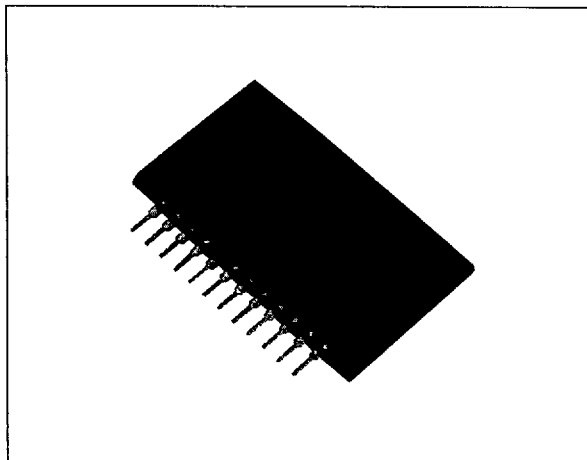


PFC control hybrid ICs

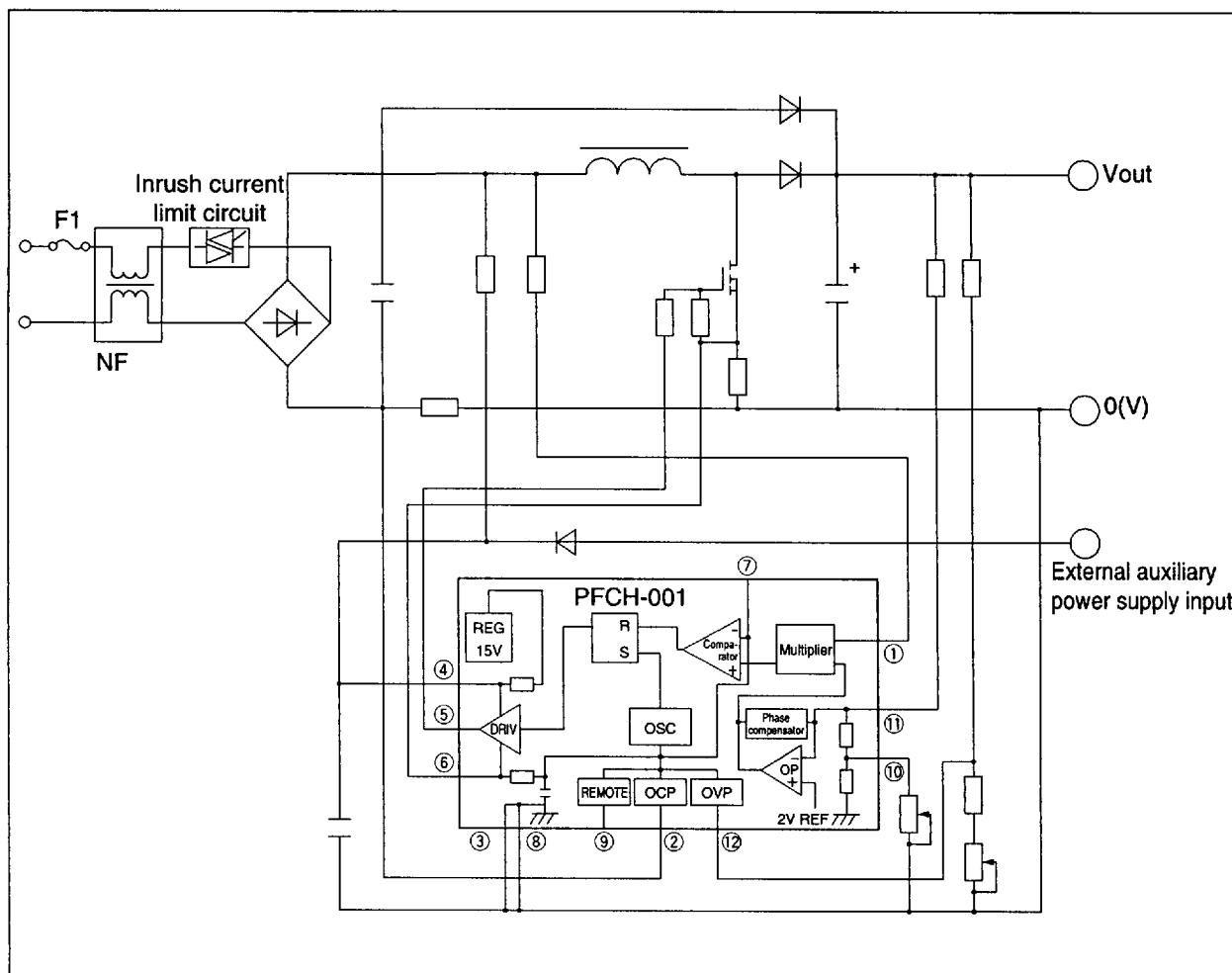
By adopting a continuous current formula, these PFC circuit control ICs minimize the amount of the rated current required by peripheral circuit components, thereby enabling the host equipment to meet the harmonic wave regulations. They are designed for power supplies of up to several kW capacity.

Features

- Compatible with a wide range of output power thanks to the large drive output current ($I_o = \pm 2A$)
- ON/OFF control possible by using external signals



Example of PFC control hybrid IC application



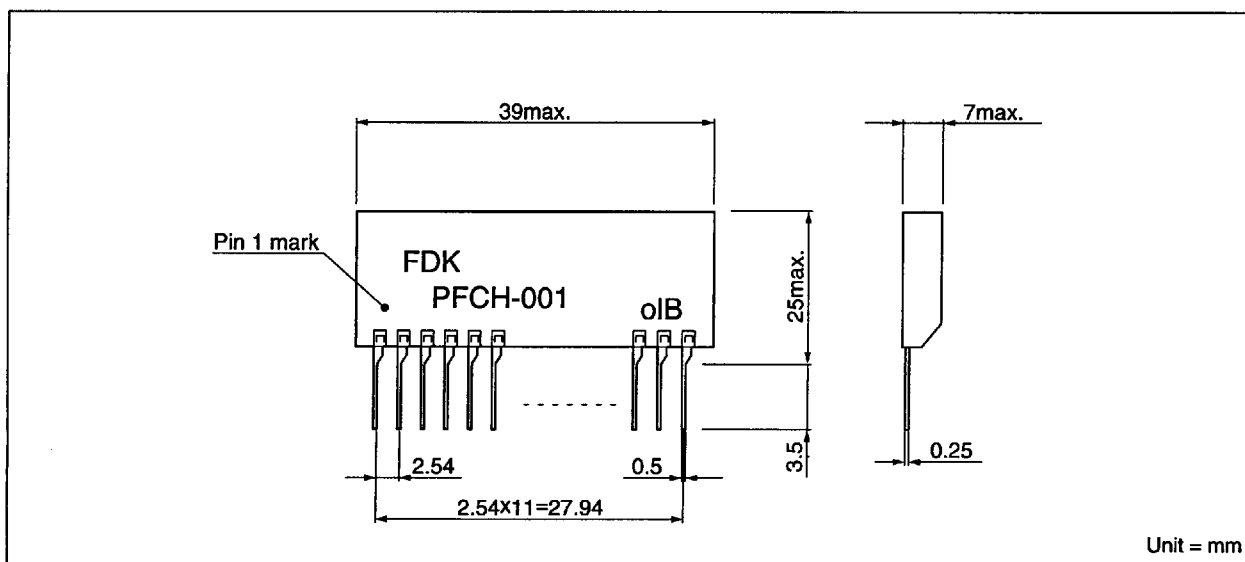
Absolute maximum rating of PFC control hybrid ICs

Item	Symbol	Min. value	Max. value	Unit
Supplied voltage	V _{CC}	—	18	V
Comparator input voltage	I _{SENSE1,2}	−0.3	20	V
Control amplifier input	V _{SENSE}	−0.3	6	V
Multiplier input current	I _{in SENSE}	—	100	mA
Overvoltage protection input	V _{ovp}	−0.3	7	V
Overcurrent protection input	V _{ocp}	—	−1	V
Drive circuit output current	I _o	—	±2	A
Operating temperature	T _{opr}	−25	85	°C
Non-operating temperature	T _{sts}	−30	105	°C

Recommended operating conditions

Item	Symbol	Min. value	Max. value	Unit
Supplied voltage	V _{CC}	12	15	V
Comparator input	I _{SENSE1,2}	0	3.5	V
Control amplifier input	V _{SENSE}	0	3.5	V
Multiplier input	V _{in SENSE}	0	1.6	V

Shape and dimensions



Terminal name and function

Pin No.	Name	Function
①	V in sense	Multiplier input
②	OCP	Overcurrent detection input
③	GND 1	Ground
④	V _{CC}	Auxiliary power supply input
⑤	OUT	Switching element drive output
⑥	I sense 1	Current comparator input 1
⑦	I sense 2	Current comparator input 2
⑧	GND 2	Ground
⑨	REMOTE	ON/OFF control input
⑩	V out adj.	Output voltage adjustment by external resistor
⑪	V sense	Output voltage detection input
⑫	OVP	Overvoltage detection input

Made to order