EVAL6562-250W

L6562-250W High performance TM PFC

Data Brief

General description

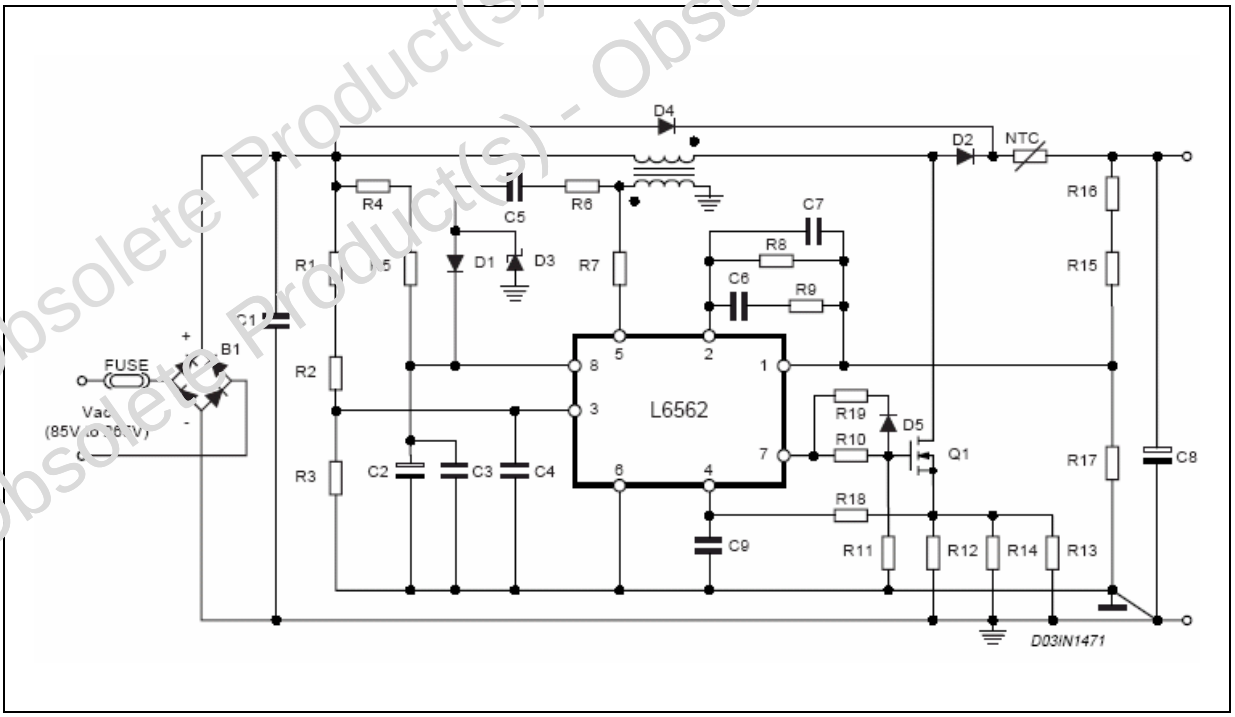
The L6562 is a current-mode PFC controller operating in Transition Mode (TM). Pin-to-pin compatible with the predecessor L6561, it offers improved performance. The L6562 - 250W Evaluation Board is specific for 250W PFC pre-regulator and designed to operate in wide-range mains.



Evaluation board

Obsolete Product(s) - Obsolete Product(s)

EVAL6562 - 250W schematic



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1 Part list

Table 1. Part list

Parameters	Values
R1, R2	910KΩ 1%
R3	13KΩ 1%
R4, R5	180KΩ 5%
R6	100Ω 5%
R7	47KΩ 5%
R8, R11, R14	OPEN
R9	20KΩ
R10	33Ω 5%
R12,13	0.33Ω 1W
R15,16	750KΩ 1%
R17	9.53KΩ 1%
R18	SHORT
R19	SHORT
C1	1µF, 400V
C2	22µF, 25V
C3	100nF
C4, C5	10nF
C6	680nF
C7	220nF
C8	100µF, 450V
C9	OPEN
D1	1N4148
D2 (DO-201AD)	STTH3L06
D3	ZENER 18V
D4	1N5406
D5	1N4148
Q1 (TO220)	STP20NM50
BRIDGE	STBR606 (ST)
FUSE	4A/250V
NTC	2.5

Note: 1 HEATSINKER: Aavid thermalloy max clip S508

2 T1: Boost Inductor spec: EB0057-C (COILCRAFT)

Obsolete Product(s) - Obsolete Product(s)

Figure 1. EVAL6562-50W: efficiency (right)

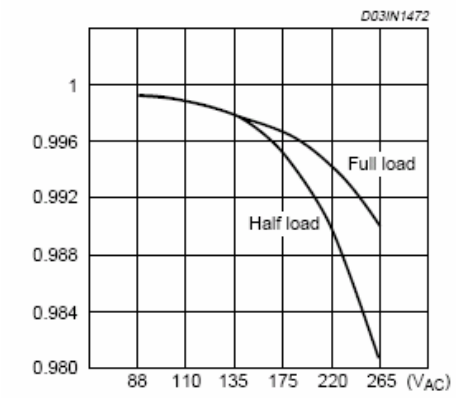
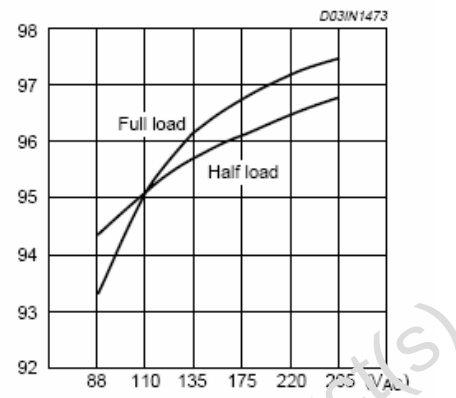


Figure 2. EVAL6562-250W: PF (left) vs. Vin



2 Revision history

Table 2. Revision history

Date	Revision	Changes
13-Nov-2006	1	First issue

Obsolete Product(s) - Obsolete Product(s)
Obsolete Product(s) - Obsolete Product(s)

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