

DESCRIPTION

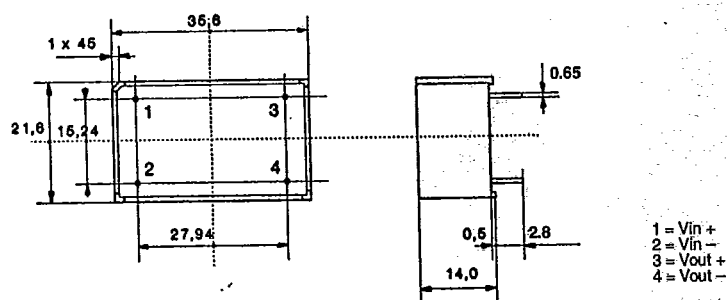
The GS-215-12 is a 2.4W DC-DC converter designed to provide an isolated 12V/200mA power source.

The module operates from a 5V input source and it features continuous short circuit protection. An input filter minimizes the reflected input current.

ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
V_i	Input Voltage	$V_o = 12\text{V}$ $I_o = 0$ to 200mA	4.50		5.50	V
V_o	Output Voltage	$V_i = 4.5$ to 5.5V $I_o = 0$ to 200mA	11.4	12.0	12.6	V
I_o	Output Current	$V_i = 4.5$ to 5.5V	50		200	mA
δV_o	Line Regulation	$\delta V_i = 4.5$ to 5.5V $I_o = 200\text{mA}$			10	mV
δV_o	Load Regulation	$V_i = 4.5$ to 5.5V $\delta I_o = 50$ to 200mA			10	mV
η	Efficiency	$V_i = 5.0\text{V}$ $I_o = 200\text{mA}$	65	70		%
V_{or}	Output Ripple Voltage	$V_i = 5.0\text{V}$ $I_o = 200\text{mA}$		5	10	mVrms
I_{ir}	Input Reflected Current	$V_i = 5.0\text{V}$ $I_o = 200\text{mA}$		20	30	mApp
V_{is}	Isolation Voltage		2500			Vdc
T_{stg}	Storage Temperature		-40		+85	$^\circ\text{C}$
T_{op}	Operating Temperature		0		+70	$^\circ\text{C}$

CONNECTION DIAGRAM AND MECHANICAL DATA



Dimensions in mm

bottom view