

GS2T48-D12

2W DUAL OUTPUT DC-DC CONVERTER

Туре	V _{in}	V _{out}	l _{out}
GS2T48-D12	38 to 60 V	±12 V	±100mA

DESCRIPTION

The GS2T48-D12 is a 2.4W DC-DC converter designed to provide an isolated +12V/100mA and -12V/100mA power source.

The module operates from wide input range (38 to 60V) and offers low reflected input current and continuous short-circuit protection.

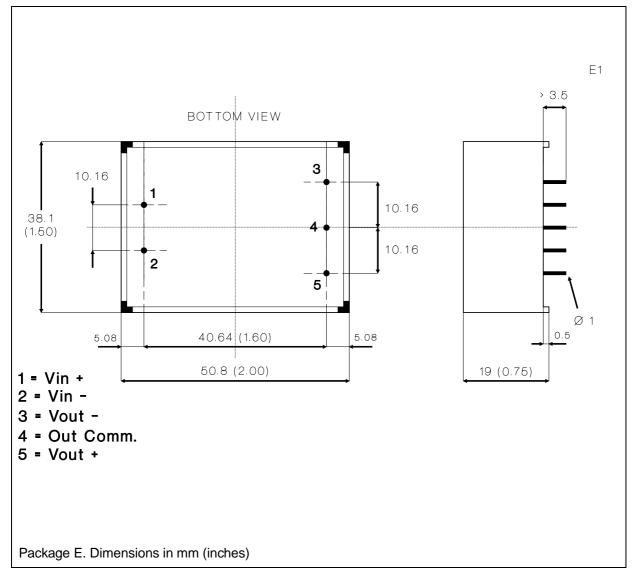


Symbol	Parameter	Test Conditions	Min	Тур	Max	Unit		
Vi	Input Voltage	V ₀ 1= +12V I ₀ 1= 0 to 100mA V ₀ 2 = -12V I ₀ 2 = 0 to -100mA	38	48	60	V		
lir	Input Reflected Current	Vi= 38 to 60V Full Load		3	5	mApp		
Vo1	Output Voltage 1	Vi = 38 to 60V lo1 = 0 to 100mA lo2 = 0 to -100mA	11.2	12.0	12.8	V		
V ₀₂	Output Voltage 2	$V_i = 38 \text{ to } 60V$ $I_{02} = 0 \text{ to } -100\text{mA}$ $I_{01} = 0 \text{ to } 100\text{mA}$	-11.2	-12.0	-12.8	V		
Vor1	Output Ripple Voltage 1	Vi = 38 to 60 Io1 = 100mA		30	50	mVrms		
Vor2	Output Ripple Voltage 2	Vi = 38 to 60 lo2 = -100mA		30	50	mVrms		
lo1	Output Current 1	Vi = 38 to 60V Vo1 = 12V	0		100	mA		
lo2	Output Current 2	$V_i = 38 \text{ to } 60V$ $V_{02} = -12V$	0		-100	mA		
Vis	Isolation Voltage		500			Vdc		
fs	Switching Frequency	Vi = 48V	50	100	150	kHz		
η	Efficiency	Vi= 48V Full Load	70	73		%		
Top	Operating Ambient Temperature Range		0		+70	°C		
Tstg	Storage Temperature Range		-40		+85	°C		

ELECTRICAL CHARACTERISTICS (Tamb.= 25° C unless otherwise specified)

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CONNECTION DIAGRAM AND MECHANICAL DATA



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