DC-DC Converter Short Form

MYGTC012R5BZN (Small Size & High Efficiency)

FEATURES

- High efficiency & Small Size SIL
- Wide input rage (16V to 40V)
- 2 output(5V, 12V)
- Plastic case type
- ON/OFF control function(Control independent by 2 outputs)
- Short circuit protection



GENERAL SPECIFICATIONS (Ta=25°C)

Item	Symbol	Condition		MIN.	TYP.	MAX.	UNIT
Input Voltage	Vin			16.0	24.0	40.0	V
Output Voltage	Vout1	Vin=16.0~40.0V, lout1=0~0.5A, lout2=0~0.5A		4.85	5.00	5.15	V
	Vout2			11.64	12.00	12.36	
Output Current	lout1	- Vin=16.0~40.0V		0	-	0.5	A
	lout2			0	-	0.5	
Ripple Voltage	Vrpl1	Vin=24V, lout1=0~0.5A,lout2=0~0.5A, BW=20MHz		-	50	-	mVpp
	Vrpl2				100		
Efficiency	EFF	Vin=24V, lout1=0.5A, lout2=0.5A		-	89	-	%
Remote Voltage	On/Off1	Vin=16.0~40.0V	OFF	2.5	-	-	-
			ON	-	-	0.5	
	On/Off2	Vin=16.0~40.0V,	OFF	2.5	-	-	
			ON	-	-	0.5	
Short Circuit Protection	SCP	If output is shorted to GND, DC-DC Converter shall be operated in a hiccup mode. After the short circuit event has cleared, the output is automatically brought back into regulation.					

△ Note:

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DIMENSIONS



[Unit : mm] ()...reference value Lead Pitch : $a=1.8 \pm 0.3$ mm Distance between the both roots of Pin. Tolerance is not accumulated.

Pin No.	Symbol	Function		
1,2	Vin	Input		
3,4	GND	GND		
5	No Pin	No Pin		
6,7	Vout1	Output (5V)		
8,9	Vout2	Output (12V)		
10	ON/OFF1	Remote ON/OFF of Vout1		
11	ON/OFF2	Remote ON/OFF of Vout2		

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