

1. Solution Guide for SiC Power Module

1-3. Product Line-up

Gate Driver Module 2CG-B series



		MODEL				
		2CG010BBC11N	2CG010BBC12N	2CG010BBC13N	2CG010BBC14N	2CG010BBC15N *
Output	Output voltage(+)	+15V	+15V	+18V	+18V	+15V
	Output voltage(-)	-10V	-15V	-4V	-2V	-4V
	Output power/1ch	3.8W	3.3W	3.5W	3.2W	3.0W
	Number of output	2				
	Peak output current	±43A				
Input	Input voltage	DC13~28V				
	Logic input voltage	DC3.3~5V				
Insulation	Withstand voltage	Primary to secondary AC5KV / Secondary to secondary AC4KV				
	Partial discharge extinction voltage	1768V peak				
Function	Mode select	Direct mode / Half bridge mode				
	DESAT protection	Yes				
	Soft turn off	Yes				
	Active clamp	No				
	Miller clamp	Yes				

* Under development

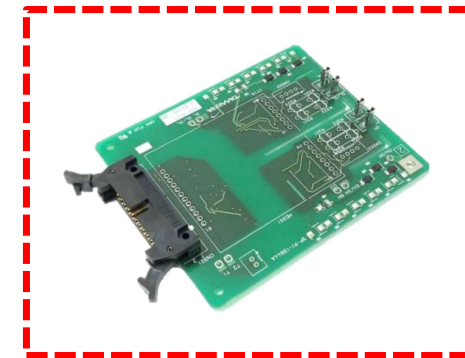
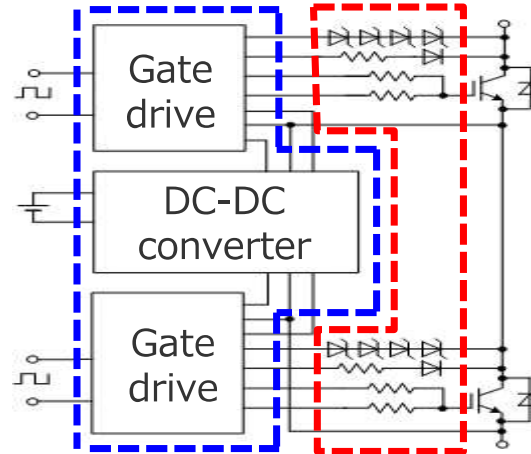
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1-4. Evaluation board

Help your evaluation !



Gate Driver Module
2CG-B series



Evaluation board
for 2CG-B series

*2



I _D	Part No	2CG-B series	Evaluation board
	V_{DS}=1200V		
300	FMF300BXZ-24B	2CG010BBC11N	*1
400	FMF400BX-24B	2CG010BBC12N	*2
600	FMF400BXZ-24B	2CG010BBC13N	*1
800	FMF600DXZ-24B	2CG010BBC14N	*3
1200	FMF800DX-24B	2CG010BBC15N	*2
	V_{DS}=1700V		
300	FMF1200DXZ-24B		
	V_{DS}=1700V		
300	FMF300DXZ-34B		*3

*1: It is necessary to branch the lead wire of the gate signal from the evaluation board.

*2: A connection board with the SiC power module is required.

*3: A lead wire with a connector is required.