



AIDC电源功率器件

● ● ● 深耕新兴领域 打造核心技术优势 ● ● ●

在 800V 高压架构成为 AIDC 电源主流发展方向的背景下, 固态变压器 (SST) 技术快速迭代, 推动电源系统向更高效率、更高集成度、更高稳定性升级。该架构对功率器件的耐压、开关速度、导通损耗及可靠性提出严苛要求, 为 SiC 功率器件带来广阔刚性需求。

依托优异材料与器件性能, SiC 器件可完美匹配 800V 架构与 SST 系统需求, 是新一代高压电源落地的核心器件。随着 AIDC 产业扩容、高压电源架构加速渗透, 高端 SiC、GaN 功率半导体需求将持续释放, 成为驱动 AIDC 电源技术革新与产业升级的关键动能。

● ● ● UPS/SST/HVDC ● ● ●



TO-247



NCB



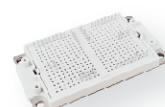
NCE



GD



GWB



GWQ

● ● ● SSCB ● ● ●



GQE



GQF

● ● ● PSU ● ● ●

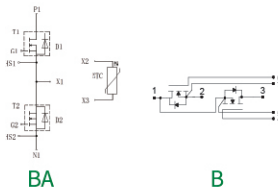


TOLL

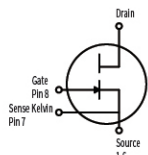


TOLT

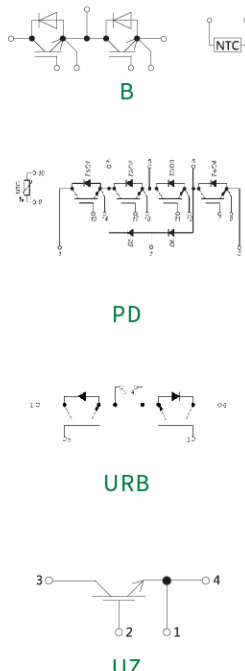
SiC 功率器件

Circuit	Part Number	V _{DSS} (V)	R _{DS(ON)} (mΩ)	Package Outline
	MMN4CE120BA4P6BS	1200	4	NCE
	MMN07D170BC3P6BS_F	1700	7	ND
	MML13N3S120BK	1200	13	TO-247-4L

GAN HEMT 功率器件

Circuit	Part Number	V _{DSS} (V)	R _{DS(ON)} (mΩ)	Package Outline
	ASL025HG65TL	650	25	TOLL
	ASL030HG65TL	650	30	TOLL
	ASL050HG65TL	650	50	TOLL

IGBT 模块

Circuit	Part Number	V _{CES} (V)	I _c (A)	Package Outline
	MMG300D120B6TC	1200	300	GD
	MMG400D120B6TC	1200	400	GD
	MMG450D120B6TC	1200	450	GD
	MMG300WB120B6TC	1200	300	GWB
	MMG450WQ120PD6T7	1200	450	GWQ
	MMG450WQ120PD6T7H	1200	450	GWQ
	MMG300D170B6TC	1700	300	GD
	MMG300WB170B6TC	1700	300	GWB
	MMG450WB170B6TC	1700	450	GWB
	MMG600WB170B6T6	1700	600	GWB
	MMG800QE170URB6T6	1700	800	GQE
	MMG800QF170URC6T6	1700	800	GQF