



# Transfer-molded Power Modules

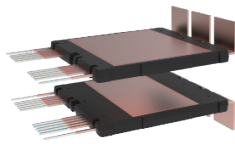
## • • • Features • • •

- ◆ Low Switching Losses
- ◆ Low Inductive Design
- ◆ High Reliability
- ◆ High operating junction temperature capability

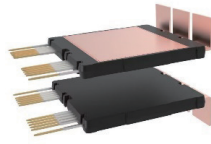
## • • • Application • • •

- ◆ Automotive Applications
- ◆ Electric Compressor
- ◆ Motor Drives
- ◆ Suspension System

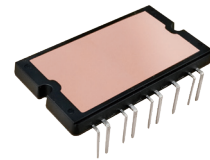
## • • • IGBT Modules • • •



DSC



SSC

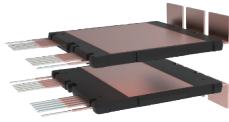


DIP

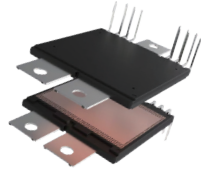
Circuit	Part Number	$V_{CES}$ (V)	$I_c$ (A)	Package Outline
	CS095HB08C1P1-I7000	750	950	DSC
	CS080HB08C1P1-I7000	750	800	
	CS054HB08C2P1-Z7000	750	540	SSC
	CS004TC07J21P1-M3000	650	40	DIP

Note: Core Energy is a subsidiary of MacMic.

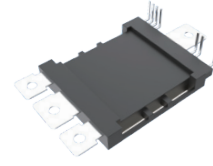
• • • SiC Modules • • •



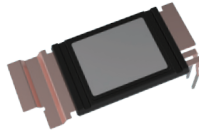
DSC



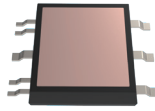
SSC



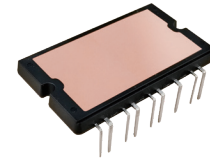
SDC



TPAK



SMIT



DIP

Circuit	Part Number	$V_{DSS}$ (V)	$R_{DS(on)}$ (m $\Omega$ )	Package Outline
	CC002HB12C5C1-E3000	1200	1.6	DSC
	CC001HB12C1P1-R4000	1200	1.4	SSC
	CC002HB12C3P1-B2000	1200	2.1	SDC
	CC010ST12F1C1-F1000	1200	2.2	TPAK
	CC008ST12F1C1-F1000	1200	8	
	CC060HB12S1C1-F1000	1200	60	SMIT
	CC035HB12S1C1-F1000	1200	35	
	CC035TC12J22P1-V3000	1200	35	DIP

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