LGM600HF65C3T1

650V/600A 2 in one-package

FEATURES

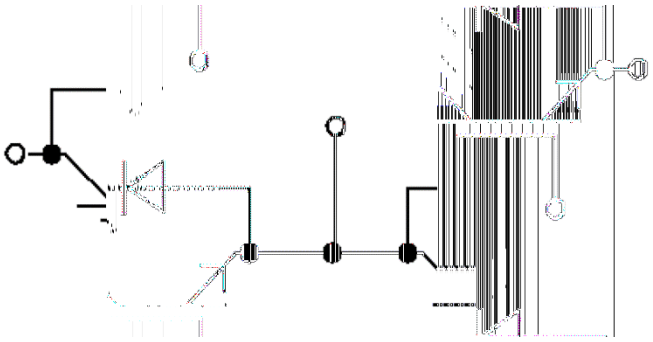
- V_{CEsat} with positive temperature coefficient
- Low Vcesat
- Low switching losses
- Low inductance case
- Isolated copper baseplate using DBC technology

Preliminary Data
VCES = 650V
IC nom = 600A / ICRM = 1200A

APPLICATION

- Welding Machine
- UPS
- Motor Drives

Equivalent Circuit Schematic



IGBT, Inverter

Maximum Rated Values

	/2	B	32-	

Module

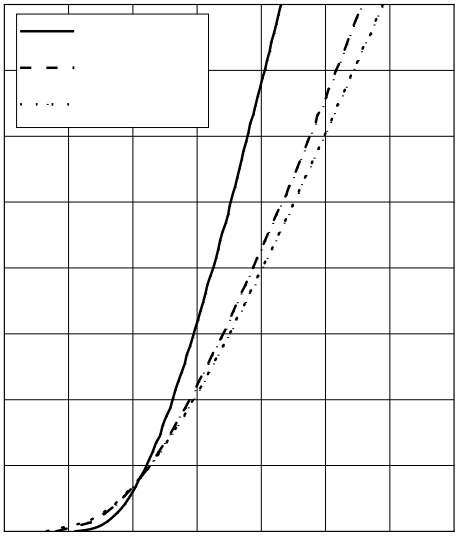
Maximum Rated Values

F	) 2- E) . +	F	0-2	
F	% .) FB 3..1-		F/-0	
			.2+ .0+	
			./-2 .-+	
		F	1--	

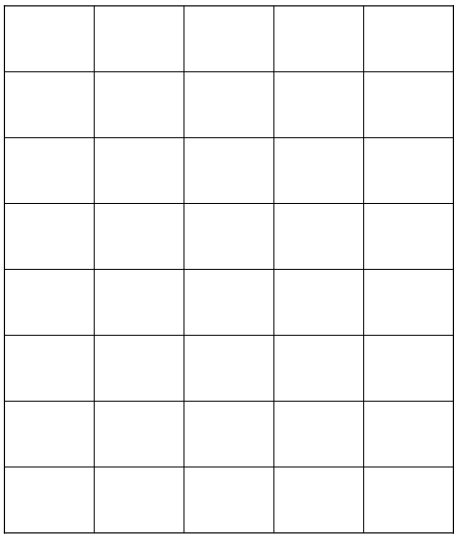
Characteristic Values

		B		/-		E
)	/2 ,	(BB		.+		Ω
			1-		./2	

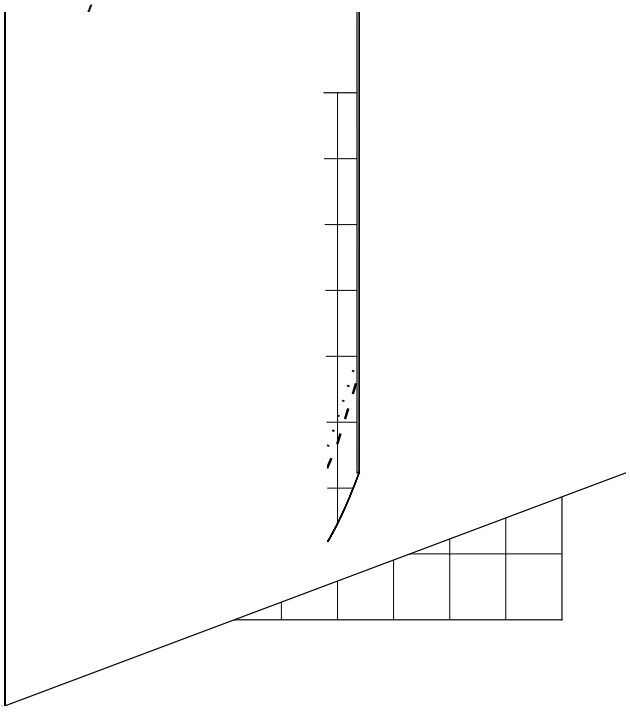
F % B
DB .2



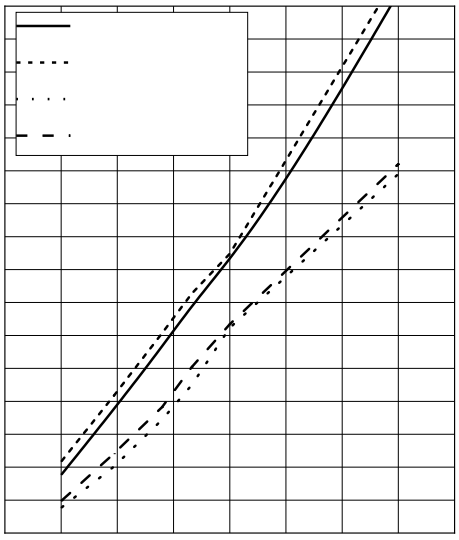
F % B
.2-℃



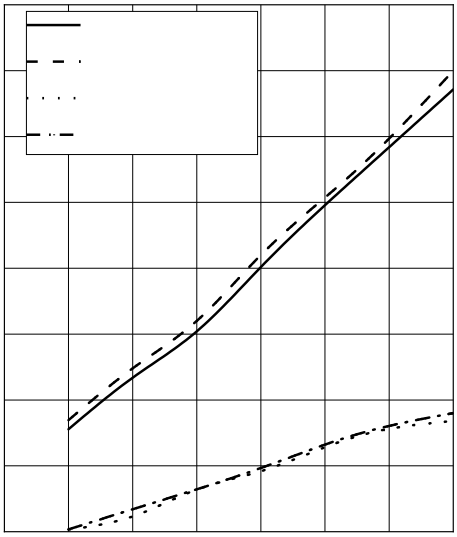
F % B



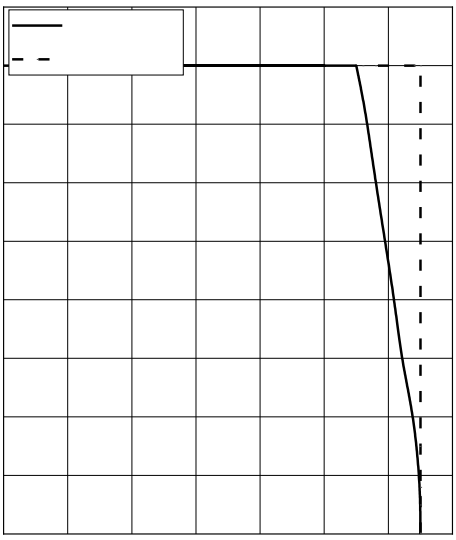
B %6)B %6
DB .2) D /-) D /-) B 1--



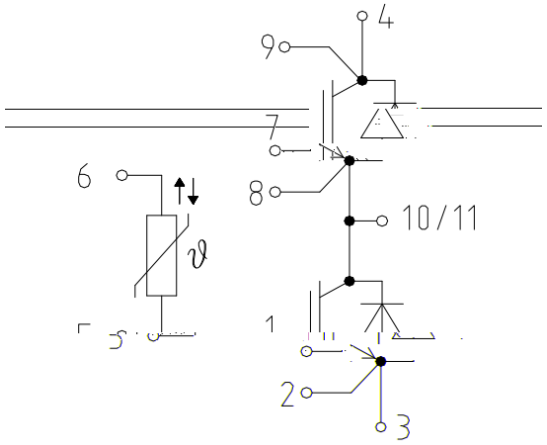
B %D)B %D
DB .2)F 1--) B 1--



F % B)
DB .2) D /-) .2-℃



Circuit diagram



Package outlines (mm)