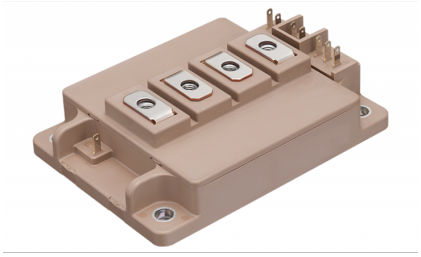

Power module 4MBI340VF-120R-50

URL:https://www.sxplc.com/power-module-4mbi340vf-120r-50

Product data sheet

Item			Symbol	Condition		Maximum Rating	Unit
Inverter	Collector-Emitter voltage		V_{CES}			1200	V
	Gate-Emitter voltage		V_{GES}			±20	V
	Collector current	IGBT	I_C	Continuous	T_c=80°C	340	A
			I_C pulse	1ms	T_c=80°C	600	
		FWD	$-I_C$			340	
			$-I_C$ pulse			600	
	Collector power dissipation		P_C	1 device		1500	W
	Junction temperature		T_{vj}			175	°C
	Operating temperature (under switching conditions)		T_{vjop}			150	
AC Switch	Collector-Emitter voltage		V_{CES}			±600	V
	Gate-Emitter voltage		V_{GES}			±20	V
	Collector current		I_C	Continuous	T_c=80°C	340	A
			I_C pulse	1ms	T_c=80°C	600	
	Collector power dissipation		P_C	1 device		1500	W
	Junction temperature		T_{vj}			150	°C
	Operating temperature (under switching conditions)		T_{vjop}			125	
Case temperature			T_c			125	
Storage temperature			T_{stg}			-40～+125	
Isolation voltage	between terminal and copper base (*		V_{iso}	AC : 1min.		2500	VAC
Screw torque	Mounting (*2)		-	M5 or M6		3.5	Nm
	Terminal (*3)		-	M5		3.5	

(*1) All terminals should be connected together during the test.
(*2) Recommendable value : 2.5-3.5 Nm (M5 or M6)
(*3) Recommendable value : 2.5-3.5 Nm (M5)