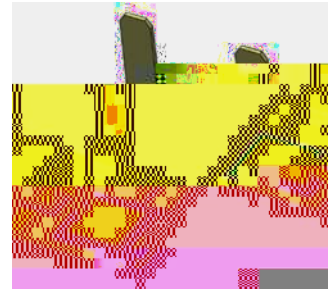




' % & & . 4

' HVFULSWLRQ

- 1) Components adopt vacuum welding to well control void and rated voltage up to 1600V.
- 2) A package of two inverse parallel SCRs.
- 3) Thyristor chips are welding on the ceramic copper clad laminate, products with high electricity ability, excellent heat dissipation ability.



7\SLFDO \$SSOLFDFWLRQ

Constant temperature system, CNC machine, remote control system, lighting control, power compensation and so on.

\$EVROXWH 0D[LPXP (Package into modules, unless otherwise specified, T_{CASE}=25)

3DUDPHWHU	7HVW	&RQGL	WLRQV	6\PERO
Operating junction temperature range		T _J	-40~+125	
Repetitive peak off-state voltage	T _J =25	V _{DRM}	1600	V
Repetitive peak reverse voltage	T _J =25	V _{RRM}	1600	V
Non-repetitive peak off-state voltage	T _J =25	V _{DSM}	1700	V
Non-repetitive peak reverse voltage	T _J =25	V _{RSM}	1700	V
Average on-state current	T _C =80	I _{T(AV)}	56	A
RMS on-state current	T _C =80	I _{T(RMS)}	90	A
Non-repetitive surge peak on-state current	t _p =10ms	I _{TSM}	1120	A
I ² t value for fusing	t _p =10ms	I ² t	6200	A ² s
Critical rate of rise of on-state current	I _G =2×I _{GT}	di/dt	150	A/μs

(OHFWULFDO & K (Package into modules, unless otherwise specified, T_{CASE}=25)

3DUDPHWHU	7HVW & RQGL	WLRQV	6\PERO	8Q9LWOXH
Peak on-state voltage	I _{TM} =168A, t _p =380μs	V _{TM}	1.8	V
Repetitive peak off-state current	V _D =V _{DRM}			
	T _C =25	I _{DRM1}	50	μA
	T _C =125	I _{DRM2}	10	mA



Solid DBC Modules

Repetitive peak reverse current

$$V_R = V_{RRM}$$

$$T_C = 25$$

$$T_C = 125$$

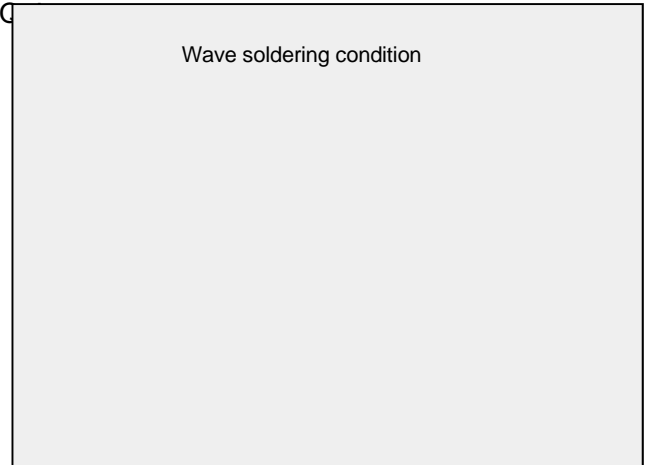
$$I_{RRM1}$$

I



6ROGHULQJ 3URFHVV 5HTXLUHPHQWV

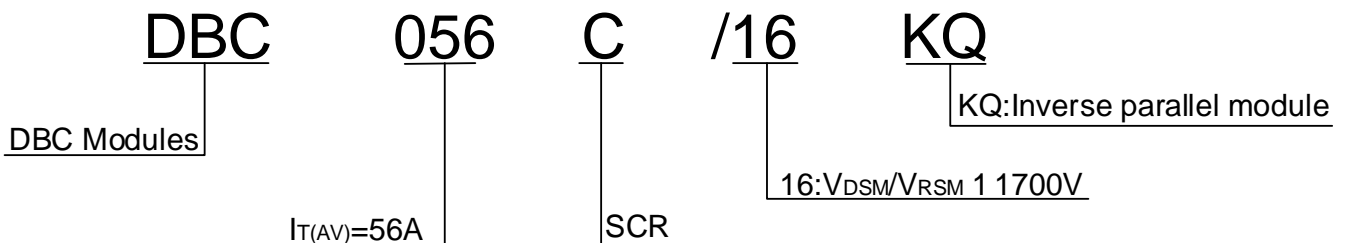
D +DQG VROGHULQJ LURQ ZHOGLQ	
Soldering temperature	260
Soldering time	10s
E :DYH VROGHULQJXUWHHWW ULJKW	
Preheating temperature	125
Preheating time	100s
Soldering temperature	260
Soldering time	10s



: RUNLQJ & RQGLWLRQV

- 1) No severe mechanical shock as impact and drop off in the process of transportation, storage and working of product.
- 2) Storage conditions
 - Temperature: 5~40
 - Relative humidity: 45%
 - Storage time: 3 days for the open package; 3 months for the closed package

2UGHULQJ ,QIRUPDWLRQ



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