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: MFC27A-T02

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SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(℃)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled,T_C=85°C	125			27	A
$I_{T(RMS)}$	RMS on-state current	Single side cooled,T_C=85°C	125			43	A
V_{DRM} V_{RRM}	Repetitive peak off-state voltage Repetitive peak reverse voltage	V_{DRM}&V_{RRM} tp=10ms V_{DSM}&V_{RSM}= V_{DRM}&V_{RRM}+200V respectively	125	600			V
I_{DRM} I_{RRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			10	mA
I_{TSM}	Surge on-state current	10ms half sine wave V_R=60%V 60%V	125			0.48	KA
I^2t	I^2T for fusing coordination					1.5	A^2s*10
V_{TO}	Threshold voltage					0.90	V
r_T	On-state slop resistance					12	mΩ
V_{TM}	Peak on-state voltage	I_{TM}=50	25			. 0	V
V_F	Peak on-state voltage	I_F =50	25			. 0	V
dv/dt	Critical rate						

OUTLINE DRAWING & CIRCUIT DIAGRAM