



Features

- International standard package
- High Surge Capability
- Simple Mounting

Internal Circuit

Blocking - Off State

TYPE		V _{DRM} /V _{RRM}	V _{DSM} /V _{RSM}	Units
MT600C(A/K)20T7	MT600C(A/K)B20T7	2000	2200	V
MT600C(A/K)22T7	MT600C(A/K)B22T7	2200	2400	V
MT600C(A/K)25T7	MT600C(A/K)B25T7	2500	2700	V

Maximum Ratings

Symbol	Conditions	Values	Units
I _{TAV}	Sine 180°;T _C =75	600	A
I _{TSM}	T _{VJ} =125 t=10ms, sine	14000	A
I ² t	T _{VJ} =125 t=10ms, sine	980000	A ² s
Visol	a.c.50HZ;r.m.s.;1min,I _{iso} :2mA(MAX)	3000	V
T _{vj}		-40 to 125	
T _{stg}		-40 to 125	
M _t	To terminals(M10)	12±15%	Nm
M _s	To heatsink(M6)	6±15%	Nm
di/dt	T _{VJ} = T _{VJM} ,V _{DM} ≤2/3V _{DRM} I _{GM} =1.5A t _r ≤1.5μs	100	A/μs
dv/dt	T _{VJ} = T _{VJM} ,2/3V _{DRM} , linear voltage rise	1000	V/μs
Weight	Module(Approximately)	1820	g

Thermal Characteristics

Symbol	Conditions	Values	Units
R _{th(j-c)}	per chip	0.061	/W
R _{th(c-h)}	per chip	0.024	/W



