



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)12DT6	MT600C(A/K)B12DT6	1200	1400	V
MT600C(A/K)14DT6	MT600C(A/K)B14DT6	1400	1600	V
MT600C(A/K)16DT6	MT600C(A/K)B16DT6	1600	1760	V

Maximum Ratings

Symbol	Conditions	Values	Units
I _{TAV}	Sine 180°;T _c =85	600	A
I _{TSM}	T _{VJ} =135 t=10ms, sine	16000	A
I ² t	T _{VJ} =135 t=10ms, sine	1280000	A ² s
Visol	a.c.50HZ;r.m.s.;1min,I _{iso} :2mA(MAX)	2500	V
T _{vj}		-40 to 135	
T _{stg}		-40 to 125	
M _t	To terminals(M8)	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)	1550	g

Thermal Characteristics

Symbol	Conditions	Values	Units
R _{th(j-c)}	per chip	0.071	/W
R _{th(c-h)}	per chip	0.024	/W



