



V_{DS} / V_{DSS} 800 to 1800V
 I_{AS} 40A

Features

- International standard package
- High Surge Capability
- Glass passivated chip
- Simple Mounting
- Heat transfer through aluminum oxide DBC ceramic isolated metal baseplate
- UL recognized applied for file no. E360040

Part Number	V_{DS}	V_{DS}
MT40C08T1	800V	900V
MT40C12T1	1200V	1300V
MT40C16T1	1600V	1700V
MT40C18T1	1800V	1900V

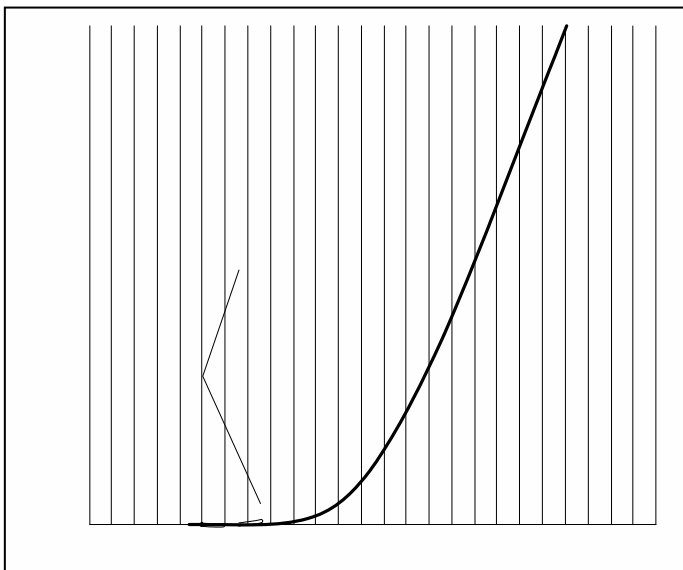
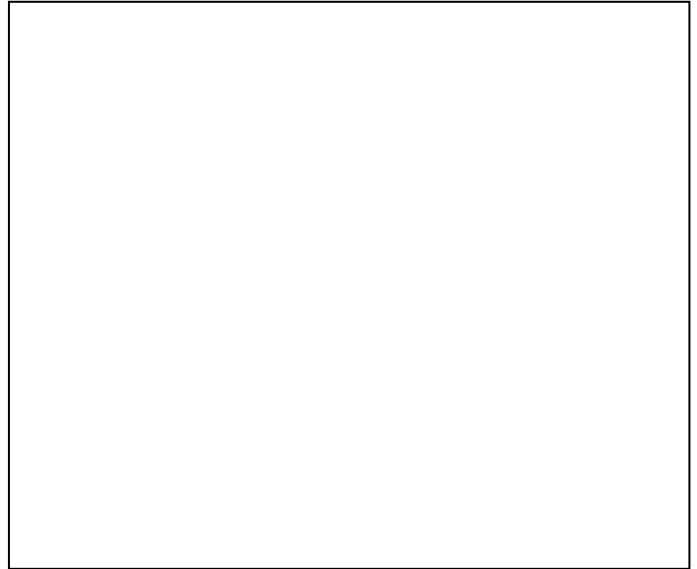
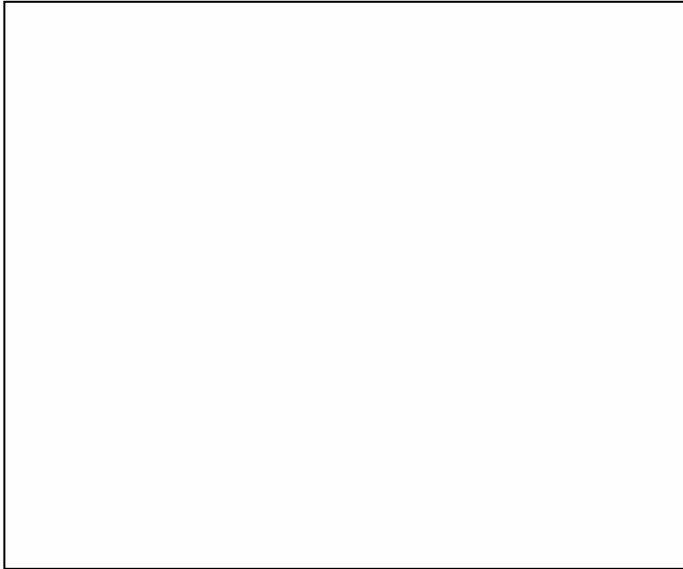
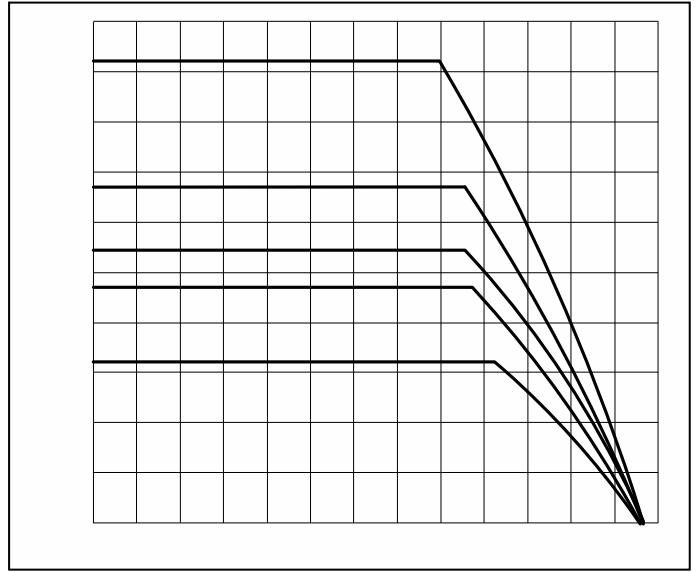
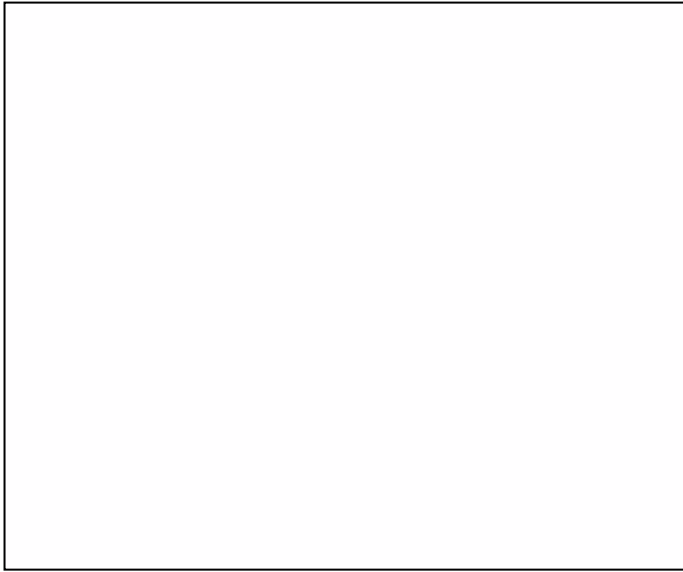
I_{TAV}	C_{thJA}	R_{thJA}	θ_{JA}
	Sine 180°		

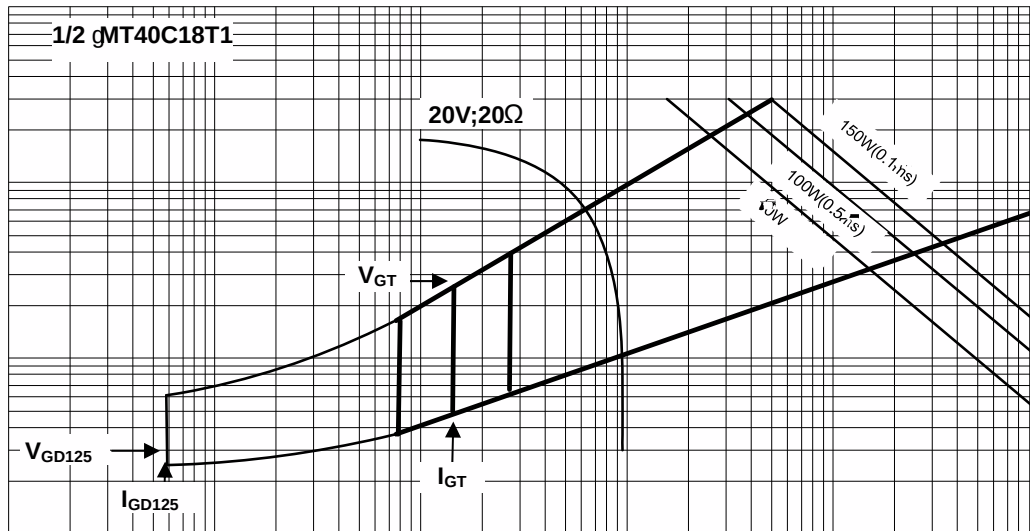


Electrical Characteristics

Symbol	Conditions	Unit			Typical Value
		Min	Max	Max	
V_{TM}	$T=25^{\circ}C$, $I_{TM}=200A$			1.95	V
I_{RRM}/I_{DRM}	$T_{VJ}=T_{VJM}$, $V_R=V_{RRM}$, $V_D=V_{DRM}$			15	mA
V_{TO}	For power-loss calculations only (T=125°C)			1.0	V
r_T	$T_{VJ}=T_{VJM}$			4.5	mΩ
V_{GT}	$T_{VJ}=25^{\circ}C$, $V_D=6V$			2.5	V
I_{GT}	$T_{VJ}=25^{\circ}C$, $V_D=6V$			150	mA
V_{GD}	$T_{VJ}=125^{\circ}C$, $V_D=2/3V_{DRM}$			0.25	V
I_{GD}	$T_{VJ}=125^{\circ}C$, $V_D=2/3V_{DRM}$			6	mA
I_L	$T_{VJ}=25^{\circ}C$, $R_G=33\Omega$		300	600	mA
I_H	$T_{VJ}=25^{\circ}C$, $V_D=6V$		150	250	mA
tgδ	$T_{VJ}=25^{\circ}C$, $I_G=1A$, $di_G/dt=1A/us$	1			us
tq	$T_{VJ}=T_{VJM}$	80			us

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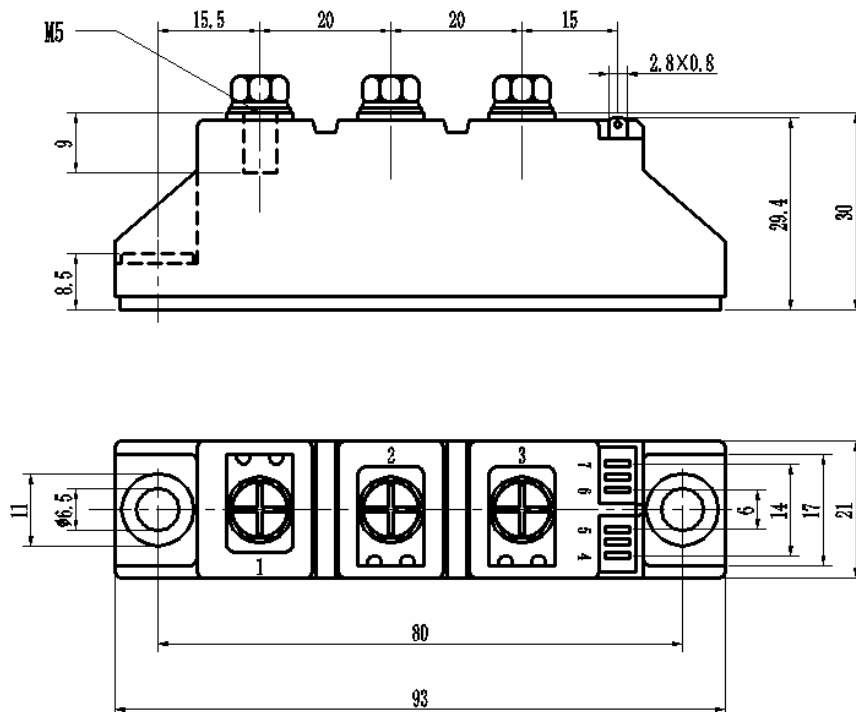




5. Uch

gün

CAST



Dämm