

SMDT-500H

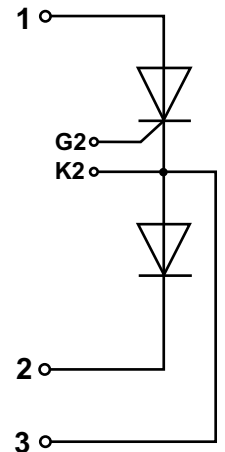
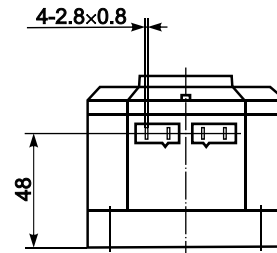
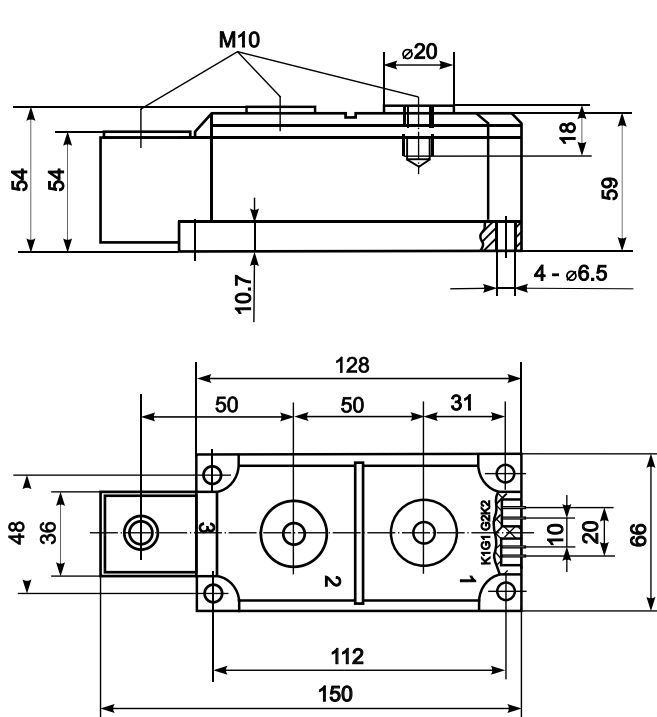


Diode-Thyristor Module



Type	V_{RSM}	V_{RRM} , V_{DRM}
SMDT-500H-08	1000	800
SMDT-500H-12	1400	1200
SMDT-500H-14	1600	1400
SMDT-500H-16	1800	1600
SMDT-500H-18	2000	1800
SMDT-500H-20	2200	2000
SMDT-500H-22	2400	2200
SMDT-500H-24	2600	2400

Type	I_{TAVM} , I_{FAVM}	I_{TRMS} , I_{FRMS}	T_C	I_{TSM}^1 , I_{FSM}	$(di/dt)_{cr}$	$(dv/dt)_{cr}$	V_{TM}	I_{TM} , I_{FM}	V_{TO}	r_T	t_q	V_{GT}	I_{GT}	T_{VJM}	V_{isol}	R_{thJC}
	A	A	°C	kA	A/ μ s	V/ μ s	V	kA	V	m Ω	μ s	V	mA	°C	V	K/W
SMDT-500H	500	800	85	16.0	100	800	1.44	1.5	0.85	0.38	350	3.0	300	125	2500	0.065



Features:

- Industrial standard package
- Heat transfer through aluminium nitride ceramic isolated metal baseplate
- Precise internal pressure contacts for high reliability
- 2500V RMS isolation voltage

Typical Applications:

- DC motor control
- AC motor soft starter
- Temperature control (e.g. for ovens, chemical processes)
- Lighting control