

SMDT-300

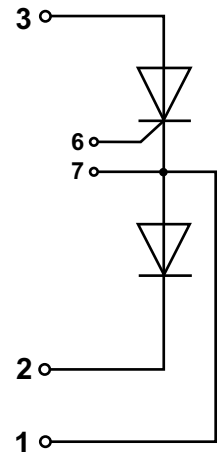
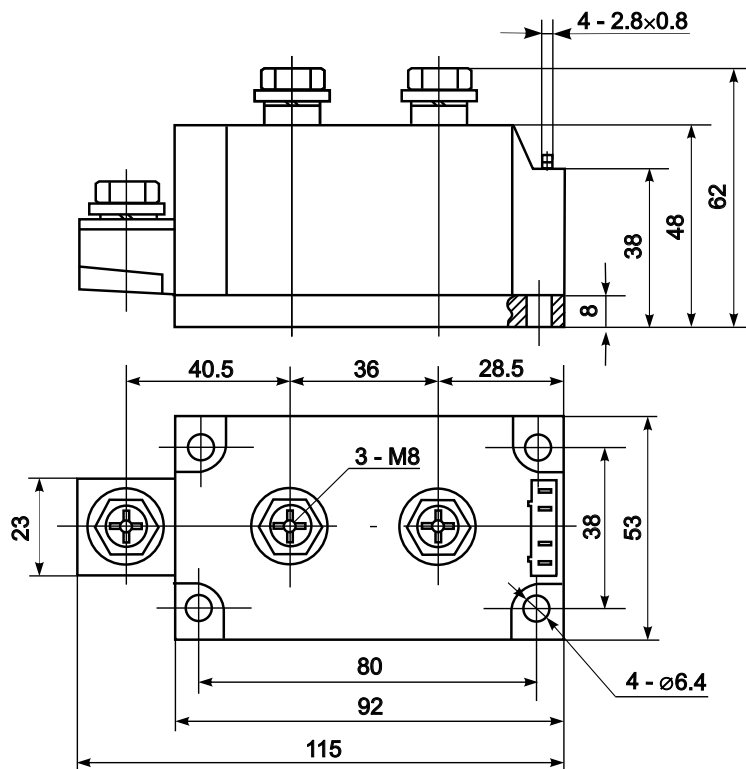


Diode-Thyristor Module



Type	V_{RSM}	V_{RRM} , V_{DRM}
SMDT-300-08	900	800
SMDT-300-12	1300	1200
SMDT-300-14	1500	1400
SMDT-300-16	1700	1600
SMDT-300-18	1900	1800

Type	I_{TAVM} , I_{FAVM}	I_{TRMS} , I_{FRMS}	T_c	I_{TSM} , 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/μs	V/μs	V	A	V	mΩ	μs	V	mA	°C	V	K/W
SMDT-300	300	500	85	9.8	150	500	1.57	900	0.85	1.0	150	2.5	180	125	2500	0.1



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