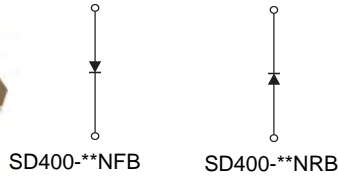
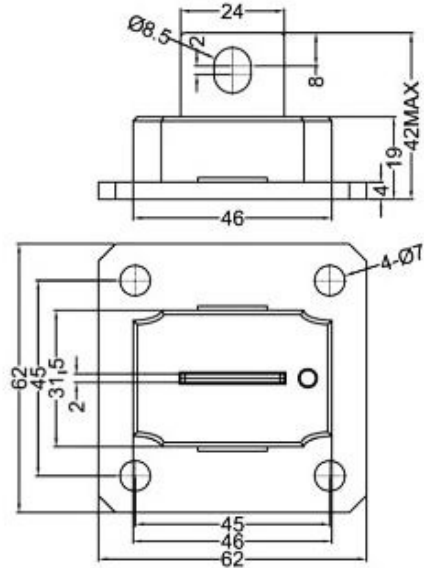


SD400

Discrete Diodes



Dimensions



	V _{RSM} V	V _{RRM} V
SD400-01NFB / SD400-01NRB	100	100
SD400-02NFB / SD400-02NRB	200	200
SD400-04NFB / SD400-04NRB	400	400
SD400-08NFB / SD400-08NRB	800	800
SD400-10NFB / SD400-10NRB	1000	1000
SD400-12NFB / SD400-12NRB	1200	1200
SD400-16NFB / SD400-16NRB	1600	1600

Electrical Characteristics

Symbol	Item	Conditions	Ratings	Unit
I _{F(AV)}	Average Forward Current	Single phase, half wave, 180° conduction, T _c : 92°C	400	A
I _{F(RMS)}	R.M.S. Forward Current	Single phase, half wave, 180° conduction, T _c : 92°C	628	A
I _{FSM}	Surge Forward Current	1/2 cycle, 50Hz/60Hz, peak value, non-repetitive	6400 / 7200	A
I ² t	I ² t	Value for one cycle of surge current	134600	A ² S
T _j	Junction Temperature		-30 to +150	°C
T _{stg}	Storage Temperature		-30 to +125	°C
Mounting Torque	Mounting (M6)	Recommended Value 2.5-3.9 (25-40)	4.7 (48)	N·m (kgf·cm)
	Terminal (M8)	Recommended Value 8.8-10 (90-105)	11 (115)	
	Mass		170	g

Symbol	Item	Conditions	Ratings	Unit
I _{RRM}	Repetitive Peak Reverse Current, max.	at V _{DRM} , single phase, half wave, T _j = 150°C	15	mA
V _{FM}	Forward Voltage Drop, max.	Forward current 1200A T _j = 25°C, Ins. measurement	1.15	V
R _{th(j-c)}	Thermal Impedance, max.	Junction to case	0.2	°C/W

o



SD400

Discrete Diodes

