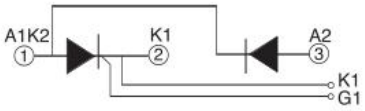
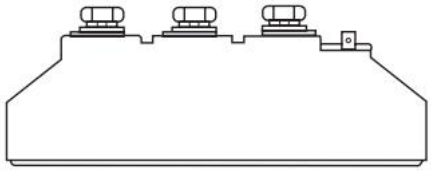
VSKH26/10

Thyristor/Diode Modules

FEATURES

- High voltage
- Low gate current
- Low thermal resistance
- Minimum Lot-to-Lot variations for robust device performance and reliable operation





APPLICATIONS

- power supplies
- Lighting circuits
- Temperature and motor speed control circuits

ELECTRICAL CHARACTERISTICS

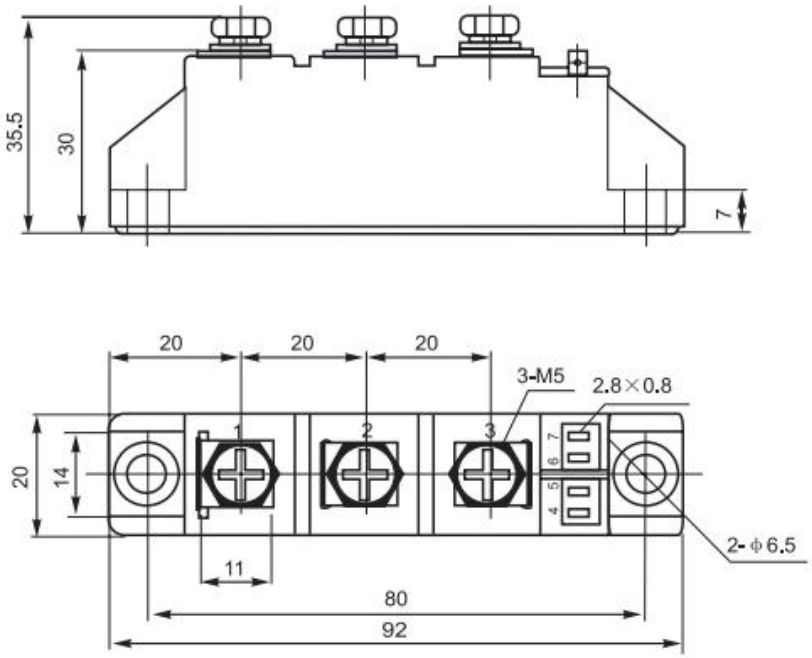
SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V_{RRM}	Repetitive Peak Reverse Voltage			1000	V
$I_{T(AV)}$	Average Forward Current	T_C=85℃, 180° conduction, half sine wave		26	A
$I_{T(RMS)}$	RMS on-state current			41	A
I_{TSM}	Surge Forward Current	t=10ms,half sine wave V_R=0.6V_{RRM}		550	A
I^2t	I^2t for fusing			1500	A_2s
T_J	Junction Temperature		-40	125	℃
T_{stg}	Storage Temperature Range		-40	125	℃
V_{TM}	Forward Voltage Drop	I_{TM}= 80A,T_J = 25℃		1.69	V
I_{DRM} I_{RRM}	peak reverse and off-state leakage current	T_J = 125 ℃, rated V_{DRM}/V_{RRM} applied		8	mA
I_{GT}	DC gate current required to trigger	V_A=12V,I_A=1A,T_J = 25 ℃	30	100	mA
V_{GT}	DC gate voltage required to trigger		0.8	2.5	V
V_{iso}	Isolated Voltage	50Hz, R.M.S, t=1min, I_{iso}:1mA(MAX)	2500		V

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j\text{-}c}$	Thermal Resistance, Junction to Case	0.95	℃/W

PACKAGE OUTLINE

Dimensions in mm (1mm = 0.0394“)



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