

Model Comparison

Model	VRRM _{VDRM} (V)	ITAVIFAV(A)
CTD70GK08	800	85
CTD70GK12	1200	85
CTD70GK14	1400	85
CTD70GK16	1600	85
CTD70GK18	1800	85

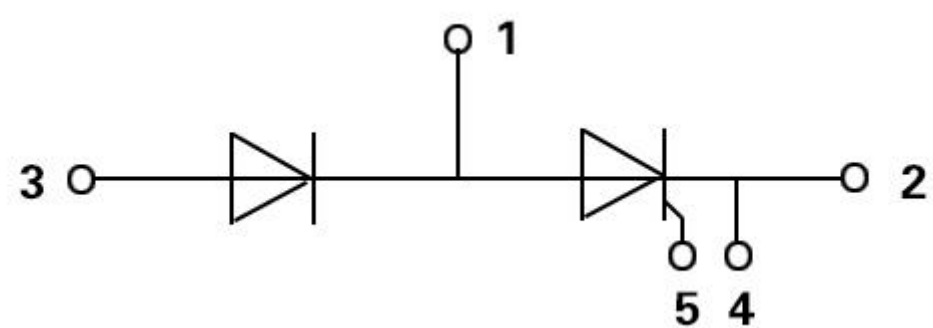
Features / Advantages

- Thyristor for line frequency
- Planar passivated chip
- Long-term stability
- Direct Copper Bonded Al₂O₃-ceramic

Applications

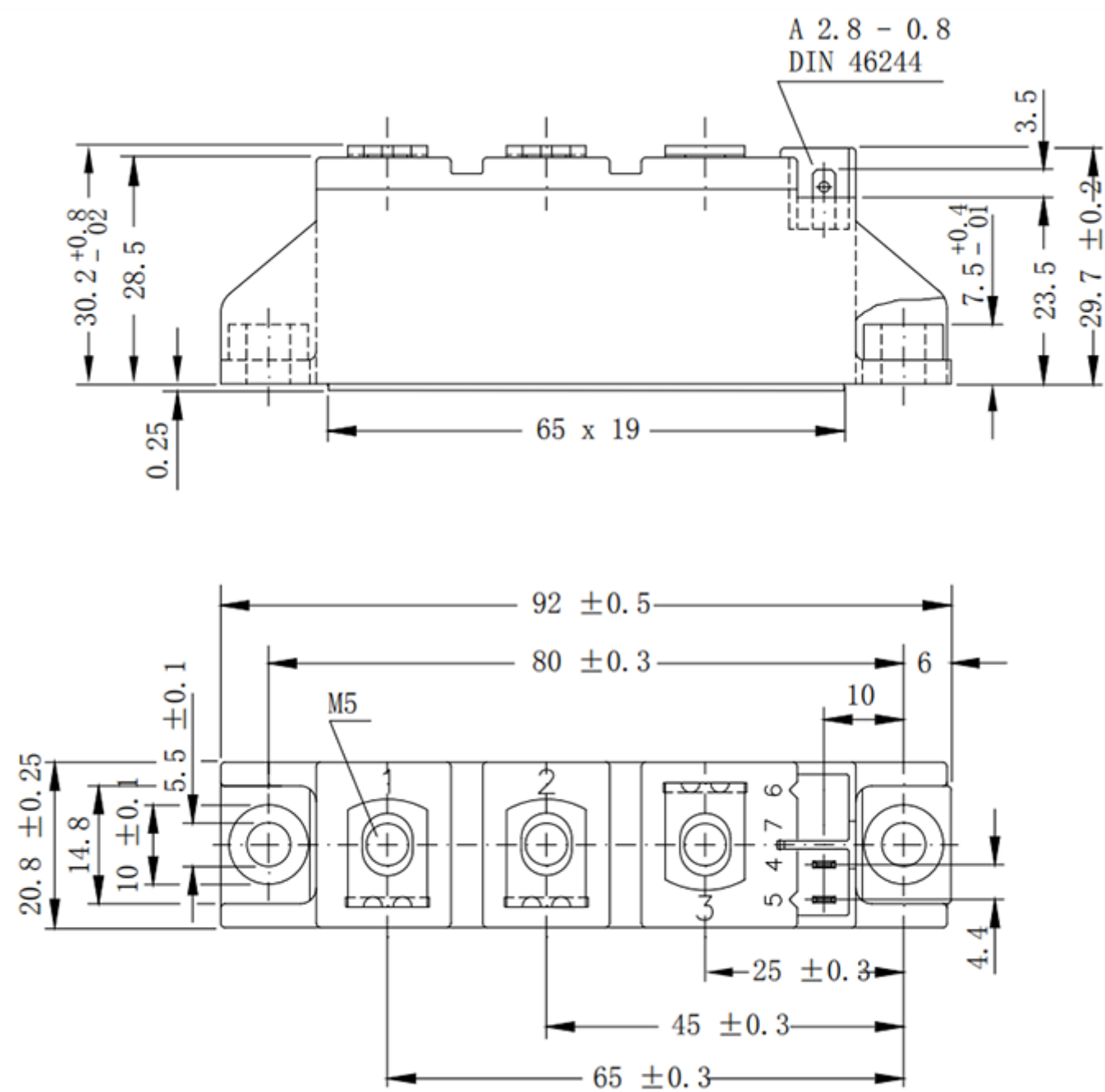
- Line rectifying 50/60 Hz
- Softstart AC motor control
- DC Motor control
- Power converter
- AC power control
- Lighting and temperature control

Internal Circuit



Package Dimension

Dimensions in Millimeters



Parameters

Parametrics	CTD70GK08~18
$V_{DRM} V_{RRM}$	800~1800V
$I_{TAV} I_{FAV}$ @TC	85A
T_C	85°C
$I_{TSM} I_{FSM}$ @10ms, T_{vj} max	1700A
$V_{(T0)}$ @ T_{vj} max	0.85V
Package style Outline drawings	XTA