

# KP3000-POWER THYRISTOR

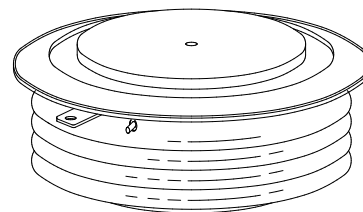
6000-6500  $V_{DRM}$

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## FREE FLOATING TYPE THYRISTOR FOR PHASE CONTROL APPLICATIONS

### Features:

T17D



## ELECTRICAL CHARACTERISTICS AND RATINGS

### Blocking - Off State

Device Type	$V_{RRM}$ (1)	$V_{DRM}$ (1)	$V_{RSM}$ (1)
KP3000/60	5100	5100	6000
KP3000/62	5300	5300	6200
KP3000/65	5600	5600	6500

$V_{RRM}$  = Repetitive peak reverse voltage

$V_{DRM}$  = Repetitive peak off state voltage

$V_{RSM}$  = Non repetitive peak reverse voltage (2)

Repetitive peak reverse leakage and off state leakage	$I_{RRM}/I_{DRM}$	5 mA 250 mA (3)
Critical rate of voltage rise	dv/dt (4)	2000 V/

### Conducting - On State

#### Notes:

- (1) All voltage ratings are specified for an applied 50Hz sinusoidal waveform over the temperature range  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .
- (2) 10 msec. max. pulse width
- (3) Maximum value for  $T_j = 125^{\circ}$



