

# KP5300-POWER THYRISTOR

4600-5200  $V_{DRM}$

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## FREE FLOATING TYPE THYRISTOR FOR PHASE CONTROL APPLICATIONS

### Features:

## ELECTRICAL CHARACTERISTICS AND RATINGS

### Blocking - Off State

Device Type	$V_{RRM}$ (1)	$V_{DRM}$ (1)	$V_{RSM}$ (1)
KP5300/46	4000	4000	4600
KP5300/48	4200	4200	4800
KP5300/50	4400	4400	5000
KP5300/52	4600	4600	5200

$V_{RRM}$  = 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  $I_{R}$

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**Gating**

Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Peak gate power dissipation	$P_{GM}$		20		W	
Average gate power dissipation	$P_{G(AV)}$		4		W	
Gate-trigger current	$I_{GT}$		350		mA	



