

# Thyristors

## Inverter Type

16-80 Amps RMS



Part Number	VRRM VDRM (V)	IT(RMS) (A)	IT(AV) TC		ITSM (1)		VGT (2) (V)	IGT (2) (mA)	VTM (3) (V)	tq (4) ( $\mu$ s)	RthJC DC ( $^{\circ}$ C/W)	Case Outline Number (8)	Notes	Case Style																																																
			(A)	( $^{\circ}$ C)	50 Hz (A)	60 Hz (A)																																																								
10RIF10W15 10RIF20W15 10RIF40W15 10RIF60W15 10RIF10W20 10RIF20W20 10RIF40W20 10RIF60W20	100 200 400 600 100 200 400 600	16	10	85	100	105	2.0	60	2.0	15 15 15 15 20 20 20 20	1.95	T1	(5) (7)	TO-208AA (TO-48)																																																
16RIF10W15 16RIF20W15 16RIF40W15 16RIF60W15 16RIF10W20 16RIF20W20 16RIF40W20 16RIF60W20	100 200 400 600 100 200 400 600									25					16	85	200	209	2.0	60	2.0	15 15 15 15 20 20 20 20	1.15	T1	(5) (7)	TO-208AA (TO-48)																																				
20RIF10W15 20RIF20W15 20RIF40W15 20RIF60W15 20RIF10W20 20RIF20W20 20RIF40W20 20RIF60W20	100 200 400 600 100 200 400 600																					32					20	85	250	261	2.0	60	2.0	15 15 15 15 20 20 20 20	0.92	T1	(5) (7)	TO-208AA (TO-48)																								
40RIF10W15 40RIF20W15 40RIF40W15 40RIF60W15 40RIF10W20 40RIF20W20 40RIF40W20 40RIF60W20	100 200 400 600 100 200 400 600																																	63					40	85	700	733	2.5	150	2.40	15 15 15 15 20 20 20 20	0.35	T3	(6) (7)	TO-208AC (TO-65)												
50RIF10W15 50RIF20W15 50RIF40W15 50RIF60W15 50RIF10W20 50RIF20W20 50RIF40W20 50RIF60W20	100 200 400 600 100 200 400 600																																													80					50	85	1000	1047	2.5	150	2.0	15 15 15 15 20 20 20 20	0.35	T3	(6) (7)	TO-208AC (TO-65)

(1) 100% VRRM reapplied @  $T_j = T_j$  max. 125 $^{\circ}$ C.

(2)  $T_j = 25^{\circ}$ C.

(3)  $\pi \times I_T(AV)$ ,  $T_j = 25^{\circ}$ C.

(4)  $T_j =$  max. rated, reapplied  $dv/dt = 200V/\mu s$ .

(5) Leaded version available, to specify add "1" to second digit of part number (e.g., 11RIF10W15), see Outline T2.

(6) Leaded version available, to specify add "1" to second digit of part number (e.g., 41RIF60W15), see Outline T4.

(7) Available with metric stud, to specify add "M" to the end of part number (e.g., 50RIF60W15M).

(8) For case outline drawing see page 154.