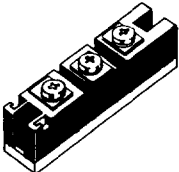
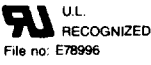
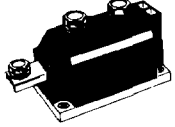



Power Modules

Thyristor/Diode, Fast



Part Number				VRRM VDRM (V)	IT(AV) @ TC		ITSM (7)		RthJC DC (1) (K/W)	tq Range (μs)	Case Outline Number (8)	Notes	Case Style			
(3)	(4)	(5)	(6)		(A)	(°C)	50 Hz (A)	60 Hz (A)								
IRKHF72-06 IRKHF72-08 IRKHF72-10 IRKHF72-12	IRKKF72-06 IRKKF72-08 IRKKF72-10 IRKKF72-12	IRKLF72-06 IRKLF72-08 IRKLF72-10 IRKLF72-12	IRKNF72-06 IRKNF72-08 IRKNF72-10 IRKNF72-12	600 800 1000 1200	71	90	1750	1830	0.125	18 to 25	M5	(2) (9)	 			
IRKHF82-02 IRKHF82-04 IRKHF82-06 IRKHF82-08	IRKKF82-02 IRKKF82-04 IRKKF82-06 IRKKF82-08	IRKLF82-02 IRKLF82-04 IRKLF82-06 IRKLF82-08	IRKNF82-02 IRKNF82-04 IRKNF82-06 IRKNF82-08	200 400 600 800	81	90	1850	1950	0.125	10 to 20						
IRKHF102-06 IRKHF102-08 IRKHF102-10 IRKHF102-12	IRKKF102-06 IRKKF102-08 IRKKF102-10 IRKKF102-12	IRKLF102-06 IRKLF102-08 IRKLF102-10 IRKLF102-12	IRKNF102-06 IRKNF102-08 IRKNF102-10 IRKNF102-12	600 800 1000 1200	105	90	2400	2500	0.085	18 to 25						
IRKHF112-02 IRKHF112-04 IRKHF112-06 IRKHF112-08	IRKKF112-02 IRKKF112-04 IRKKF112-06 IRKKF112-08	IRKLF112-02 IRKLF112-04 IRKLF112-06 IRKLF112-08	IRKNF112-02 IRKNF112-04 IRKNF112-06 IRKNF112-08	200 400 600 800	112	90	2600	2700	0.085	10 to 20						
IRKHF132-02 IRKHF132-04 IRKHF132-06 IRKHF132-08	IRKKF132-02 IRKKF132-04 IRKKF132-06 IRKKF132-08	IRKLF132-02 IRKLF132-04 IRKLF132-06 IRKLF132-08	IRKNF132-02 IRKNF132-04 IRKNF132-06 IRKNF132-08	200 400 600 800	130	90	2700	2825	0.085	12 to 18						
IRKHF152-02 IRKHF152-04 IRKHF152-06 IRKHF152-08	IRKKF152-02 IRKKF152-04 IRKKF152-06 IRKKF152-08	IRKLF152-02 IRKLF152-04 IRKLF152-06 IRKLF152-08	IRKNF152-02 IRKNF152-04 IRKNF152-06 IRKNF152-08	200 400 600 800	150	90	3700	3870	0.085	12 to 18						
IRKHF180-02 IRKHF180-04 IRKHF180-06 IRKHF180-08 IRKHF180-10 IRKHF180-12	IRKKF180-02 IRKKF180-04 IRKKF180-06 IRKKF180-08 IRKKF180-10 IRKKF180-12	IRKLF180-02 IRKLF180-04 IRKLF180-06 IRKLF180-08 IRKLF180-10 IRKLF180-12	IRKNF180-02 IRKNF180-04 IRKNF180-06 IRKNF180-08 IRKNF180-10 IRKNF180-12	200 400 600 800 1000 1200	180	85	6000	6280	0.063	18 to 25				M6		 
IRKHF200-02 IRKHF200-04 IRKHF200-06 IRKHF200-08 IRKHF200-10 IRKHF200-12	IRKKF200-02 IRKKF200-04 IRKKF200-06 IRKKF200-08 IRKKF200-10 IRKKF200-12	IRKLF200-02 IRKLF200-04 IRKLF200-06 IRKLF200-08 IRKLF200-10 IRKLF200-12	IRKNF200-02 IRKNF200-04 IRKNF200-06 IRKNF200-08 IRKNF200-10 IRKNF200-12	200 400 600 800 1000 1200	200	85	6400	6700	0.063	18 to 25						

- (1) Value given for RthJC is per module.
- (2) RMS isolation voltage: 3000V-50 Hz.
- (3) Doubler circuit, positive control.
- (4) Center tap, circuit common cathode. Contact factory.
- (5) Doubler circuit, negative control.
- (6) Center tap, circuit common anode. Contact factory.

- (7) 100% VRRM reapplied. Tj = Tj max. = 125°C.
- (8) For case outline drawing see page 0-2.
- (9) All devices can be supplied with non toxic material. Add suffix N to part number.