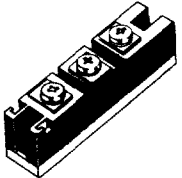
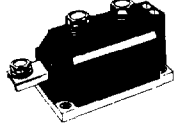


Power Modules

Thyristor/Diode, Fast

Part Number				V _{RRM} V _{DRM} (V)	I _{T(AV)} @ T _C		I _{TSM} (1)		t _q (2) (μs)	R _{thJC} DC (3) (°C/W)	Case Outline Number (10)	Notes	Case Style
(6)	(7)	(8)	(9)		(A)	(°C)	50 Hz (A)	60 Hz (A)					
IRKHF72-06	IRKKF72-06	IRKLF72-06	IRKNF72-06	600	70	85	2100	2200	12 to 18	0.142	M5	(4)	
IRKHF72-08	IRKKF72-08	IRKLF72-08	IRKNF72-08	800									
IRKHF72-10	IRKKF72-10	IRKLF72-10	IRKNF72-10	1000									
IRKHF72-12	IRKKF72-12	IRKLF72-12	IRKNF72-12	1200									
IRKHF82-02	IRKKF82-02	IRKLF82-02	IRKNF82-02	200									
IRKHF82-04	IRKKF82-04	IRKLF82-04	IRKNF82-04	400									
IRKHF82-06	IRKKF82-06	IRKLF82-06	IRKNF82-06	600									
IRKHF82-08	IRKKF82-08	IRKLF82-08	IRKNF82-08	800									
IRKHF102-06	IRKKF102-06	IRKLF102-06	IRKNF102-06	600	100	85	2400	2500	18 to 25	0.085			
IRKHF102-08	IRKKF102-08	IRKLF102-08	IRKNF102-08	800									
IRKHF102-10	IRKKF102-10	IRKLF102-10	IRKNF102-10	1000									
IRKHF102-12	IRKKF102-12	IRKLF102-12	IRKNF102-12	1200									
IRKHF112-02	IRKKF112-02	IRKLF112-02	IRKNF112-02	200									
IRKHF112-04	IRKKF112-04	IRKLF112-04	IRKNF112-04	400									
IRKHF112-06	IRKKF112-06	IRKLF112-06	IRKNF112-06	600									
IRKHF112-08	IRKKF112-08	IRKLF112-08	IRKNF112-08	800									
IRKHF132-02	IRKKF132-02	IRKLF132-02	IRKNF132-02	200	130	85	2700	2820	12 to 18	0.085			
IRKHF132-04	IRKKF132-04	IRKLF132-04	IRKNF132-04	400									
IRKHF132-06	IRKKF132-06	IRKLF132-06	IRKNF132-06	600									
IRKHF132-08	IRKKF132-08	IRKLF132-08	IRKNF132-08	800									
IRKHF152-02	IRKKF152-02	IRKLF152-02	IRKNF152-02	200									
IRKHF152-04	IRKKF152-04	IRKLF152-04	IRKNF152-04	400									
IRKHF152-06	IRKKF152-06	IRKLF152-06	IRKNF152-06	600									
IRKHF152-08	IRKKF152-08	IRKLF152-08	IRKNF152-08	800									
IRKHF180-02	IRKKF180-02	IRKLF180-02	IRKNF180-02	200	180	85	6000	6280	18 to 25	0.062	M6		
IRKHF180-04	IRKKF180-04	IRKLF180-04	IRKNF180-04	400									
IRKHF180-06	IRKKF180-06	IRKLF180-06	IRKNF180-06	600									
IRKHF180-08	IRKKF180-08	IRKLF180-08	IRKNF180-08	800									
IRKHF180-10	IRKKF180-10	IRKLF180-10	IRKNF180-10	1000									
IRKHF180-12	IRKKF180-12	IRKLF180-12	IRKNF180-12	1200									
IRKHF200-02	IRKKF200-02	IRKLF200-02	IRKNF200-02	200	200	85	6400	6700	18 to 25	0.062			
IRKHF200-04	IRKKF200-04	IRKLF200-04	IRKNF200-04	400									
IRKHF200-06	IRKKF200-06	IRKLF200-06	IRKNF200-06	600									
IRKHF200-08	IRKKF200-08	IRKLF200-08	IRKNF200-08	800									
IRKHF200-10	IRKKF200-10	IRKLF200-10	IRKNF200-10	1000									
IRKHF200-12	IRKKF200-12	IRKLF200-12	IRKNF200-12	1200									

- (1) 100% V_{RRM} reapplied. T_j = T_j Max = 125°C.
- (2) t_q test conditions: T_J = 125°C, I_{TM} = rated I_{T(AV)}, -di/dt = 20 A/μs, reapplied dv/dt = 50 V/μs linear to 80% rated V_{DRM}, VR = 50V.
- (3) Value given for R_{thJC} is per module.
- (4) RMS Isolation voltage = 3000V-50 Hz.
- (6) Doubler circuit, positive control.
- (7) Center tap, circuit common cathode.
- (8) Doubler circuit, negative control.
- (9) Center tap, circuit common anode.
- (10) For case outline drawing see page 158.