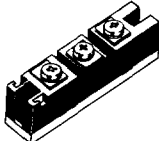
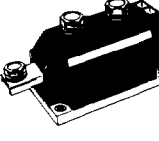


Power Modules

Diode/Diode

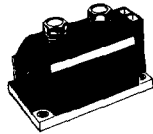
International TOR Rectifier

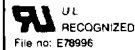
Part Number			V _{RRM} (V)	I _{F(AV)} @ T _C		I _{FSM} (7)		(9) V _{FM} (V)	R _{thJC} DC (1) (K/W)	Case Outline Number (8)	Notes	Case Style
(3)	(4)	(5)		(A)	(°C)	50 Hz (A)	60 Hz (A)					
IRKD166-04	IRKC166-04	IRKJ166-04	400							M5	(6) (10)	
IRKD166-06	IRKC166-06	IRKJ166-06	600									
IRKD166-08	IRKC166-08	IRKJ166-08	800									
IRKD166-10	IRKC166-10	IRKJ166-10	1000									
IRKD166-12	IRKC166-12	IRKJ166-12	1200	165	100	3350	3500	1.69	0.10			
IRKD166-14	IRKC166-14	IRKJ166-14	1400									
IRKD166-16	IRKC166-16	IRKJ166-16	1600									
IRKD166-18	IRKC166-18	IRKJ166-18	1800									
IRKD166-20	IRKC166-20	IRKJ166-20	2000									
IRKD196-04	IRKC196-04	IRKJ196-04	400									
IRKD196-06	IRKC196-06	IRKJ196-06	600									
IRKD196-08	IRKC196-08	IRKJ196-08	800									
IRKD196-10	IRKC196-10	IRKJ196-10	1000									
IRKD196-12	IRKC196-12	IRKJ196-12	1200	195	100	4000	4200	1.38	0.10			
IRKD196-14	IRKC196-14	IRKJ196-14	1400									
IRKD196-16	IRKC196-16	IRKJ196-16	1600									
IRKD196-18	IRKC196-18	IRKJ196-18	1800									
IRKD196-20	IRKC196-20	IRKJ196-20	2000									
IRKD196-22	IRKC196-22	IRKJ196-22	2200									
IRKD196-24	IRKC196-24	IRKJ196-24	2400									
IRKD236-04	IRKC236-04	IRKJ236-04	400							M6		
IRKD236-06	IRKC236-06	IRKJ236-06	600									
IRKD236-08	IRKC236-08	IRKJ236-08	800									
IRKD236-10	IRKC236-10	IRKJ236-10	1000									
IRKD236-12	IRKC236-12	IRKJ236-12	1200	230	100	5500	5750	1.27	0.085			
IRKD236-14	IRKC236-14	IRKJ236-14	1400									
IRKD236-16	IRKC236-16	IRKJ236-16	1600									
IRKD236-18	IRKC236-18	IRKJ236-18	1800									
IRKD236-20	IRKC236-20	IRKJ236-20	2000									
IRKD250-04	IRKC250-04	IRKJ250-04	400									
IRKD250-06	IRKC250-06	IRKJ250-06	600									
IRKD250-08	IRKC250-08	IRKJ250-08	800									
IRKD250-10	IRKC250-10	IRKJ250-10	1000									
IRKD250-12	IRKC250-12	IRKJ250-12	1200	250	100	5900	6180	1.29	0.08			
IRKD250-14	IRKC250-14	IRKJ250-14	1400									
IRKD250-16	IRKC250-16	IRKJ250-16	1600									
IRKD250-18	IRKC250-18	IRKJ250-18	1800									
IRKD250-20	IRKC250-20	IRKJ250-20	2000									
IRKD270-04	IRKC270-04	IRKJ270-04	400									
IRKD270-06	IRKC270-06	IRKJ270-06	600									
IRKD270-08	IRKC270-08	IRKJ270-08	800									
IRKD270-10	IRKC270-10	IRKJ270-10	1000									
IRKD270-12	IRKC270-12	IRKJ270-12	1200									
IRKD270-14	IRKC270-14	IRKJ270-14	1400									
IRKD270-16	IRKC270-16	IRKJ270-16	1600	270	100	7500	7850	1.48	0.063			
IRKD270-18	IRKC270-18	IRKJ270-18	1800									
IRKD270-20	IRKC270-20	IRKJ270-20	2000									
IRKD270-22	IRKC270-22	IRKJ270-22	2200									
IRKD270-24	IRKC270-24	IRKJ270-24	2400									
IRKD270-26	IRKC270-26	IRKJ270-26	2600									
IRKD270-28	IRKC270-28	IRKJ270-28	2800									
IRKD270-30	IRKC270-30	IRKJ270-30	3000									
IRKD320-04	IRKC320-04	IRKJ320-04	400									
IRKD320-06	IRKC320-06	IRKJ320-06	600									
IRKD320-08	IRKC320-08	IRKJ320-08	800									
IRKD320-10	IRKC320-10	IRKJ320-10	1000									
IRKD320-12	IRKC320-12	IRKJ320-12	1200	320	100	8500	8900	1.28	0.063			
IRKD320-14	IRKC320-14	IRKJ320-14	1400									
IRKD320-16	IRKC320-16	IRKJ320-16	1600									
IRKD320-18	IRKC320-18	IRKJ320-18	1800									
IRKD320-20	IRKC320-20	IRKJ320-20	2000									

(1) Value given for R_{thJC} is per module.
(3) Doubler circuit.

(4) Center tap, circuit common cathode. Contact factory.
(5) Center tap, circuit common anode. Contact factory.
(6) RMS isolation voltage: 3000V-50 Hz.

(7) 100% V_{RRM} reapplied. T_j = T_j max. = 150°C.
(8) For case outline drawing see page 0-2.
(9) V_{FM} at I_{FM} = I_{F(AV)} × π, T_j = 25°C.
(10) All devices can be supplied with non toxic material. Add suffix N to part number.

Part Number	V _{RRM} (V)	I _{F(AV)} @ T _C		I _{FSM} (5)		(3) V _{FM} (V)	R _{thJC} DC (1) (K/W)	Case Outline Number (6)	Notes	Case Style
		(A)	(°C)	50 Hz (A)	60 Hz (A)					
IRKE270-04 IRKE270-06 IRKE270-08 IRKE270-10 IRKE270-12 IRKE270-14 IRKE270-16 IRKE270-18 IRKE270-20 IRKE270-22 IRKE270-24 IRKE270-26 IRKE270-28 IRKE270-30	400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2400 2600 3000	270	100	7500	7850	1.48	0.125	M6	(4) (7)	
IRKE320-04 IRKE320-06 IRKE320-08 IRKE320-10 IRKE320-12 IRKE320-14 IRKE320-16 IRKE320-18 IRKE320-20	400 600 800 1000 1200 1400 1600 1800 2000	320	100	8500	8900	1.28	0.125			



(1) Value given for R_{thJC} is per module.

(3) V_{FM} at I_{FM} = I_{F(AV)} × π. T_j = 25°C.

(4) RMS isolation voltage: 3000V-50 Hz.

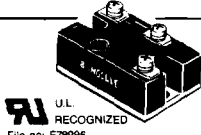
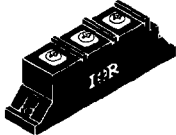
(5) 100% V_{RRM} reapplied. T_j = T_j max. = 150°C.

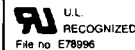
(6) For case outline drawing see page

(7) All devices can be supplied with non-toxic material.

Add suffix "N" to part number.

Diode/Diode

Part Number			V _{RRM} (V)	I _{F(AV)} @ T _C		I _{FSM} (7)		(9) V _{FM} (V)	R _{thJC} DC (1) (K/W)	Case Outline Number (8)	Notes	Case Style
(3)	(4)	(5)		(A)	(°C)	50 Hz (A)	60 Hz (A)					
B40D10 B40D20 B40D40 B40D60 B40D80 B40D100 B40D120	— — — — — — —	B40J10 B40J20 B40J40 B40J60 B40J80 B40J100 B40J120	100 200 400 600 800 1000 1200	40	85	550	575	1.31	0.60	M2	(2)	
IRKD56/04 IRKD56/06 IRKD56/08 IRKD56/10 IRKD56/12	IRKC56/04 IRKC56/06 IRKC56/08 IRKC56/10 IRKC56/12	IRKJ56/04 IRKJ56/06 IRKJ56/08 IRKJ56/10 IRKJ56/12	400 600 800 1000 1200	55	100	1350	1420	1.35	0.325	M4	(2) (11)	
IRKD61/14 IRKD61/16 IRKD61/18 IRKD61/20	IRKC61/14 IRKC61/16 IRKC61/18 IRKC61/20	IRKJ61/14 IRKJ61/16 IRKJ61/18 IRKJ61/20	1400 1600 1800 2000	60	90	1220	1270	1.35	0.325			
IRKD71/04 IRKD71/06 IRKD71/08 IRKD71/10 IRKD71/12	IRKC71/04 IRKC71/06 IRKC71/08 IRKC71/10 IRKC71/12	IRKJ71/04 IRKJ71/06 IRKJ71/08 IRKJ71/10 IRKJ71/12	400 600 800 1000 1200	70	100	1500	1570	1.30	0.285			
IRKD81/14 IRKD81/16 IRKD81/18 IRKD81/20	IRKC81/14 IRKC81/16 IRKC81/18 IRKC81/20	IRKJ81/14 IRKJ81/16 IRKJ81/18 IRKJ81/20	1400 1600 1800 2000	80	88	1350	1410	1.36	0.25			
IRKD91/04 IRKD91/06 IRKD91/08 IRKD91/10 IRKD91/12	IRKC91/04 IRKC91/06 IRKC91/08 IRKC91/10 IRKC91/12	IRKJ91/04 IRKJ91/06 IRKJ91/08 IRKJ91/10 IRKJ91/12	400 600 800 1000 1200	90	100	1700	1780	1.30	0.22			
IRKD101/14 IRKD101/16 IRKD101/18 IRKD101/20	IRKC101/14 IRKC101/16 IRKC101/18 IRKC101/20	IRKJ101/14 IRKJ101/16 IRKJ101/18 IRKJ101/20	1400 1600 1800 2000	100	87	1700	1780	1.34	0.22			



(1) Value given for R_{thJC} is per module.

(2) RMS isolation voltage: 3500V-50 Hz.

(3) Doubler circuit.

(4) Center tap, circuit common cathode. Contact factory.

(5) Center tap, circuit common anode. Contact factory.

(7) 100% V_{RRM} reapplied. T_j = T_j max. = 150°C.

(8) For case outline drawing see page 0-2.

(9) V_{FM} at I_{FM} = I_{F(AV)} × π. T_j = 25°C.

(11) New generation of ADD-A-Pak modules are identified by a "Y" (slash) in the part number instead of the "1" of the old part number. Consult factory for new type availability.