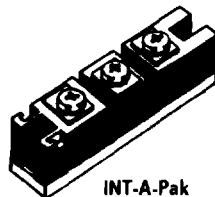


Diodes

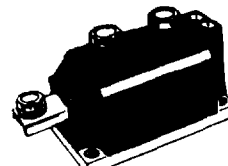
Diodes	PART NUMBER		VRRM (V)	IF(AV) @ TC (A)	IFSM (23) 50 Hz (A)	IFSM (23) 60 Hz (A)	(24) VFM (V)	(21) RthJC DC (K/W)	Notes	Fax-on- Demand Number	Case Style, (Case Outline) (1)	
	Center Tap » Common Cathode	Center Tap » Common Anode										
Power Modules - Diode/Diode												
IRKD56/04	IRKC56/04	IRKJ56/04	400	60	100	1350	1420	1.35	0.325	(22)	27140	ADD-A-Pak (M4)
IRKD56/06	IRKC56/06	IRKJ56/06	600	60	100	1350	1420	1.35	0.325	(22)	27140	
IRKD56/08	IRKC56/08	IRKJ56/08	800	60	100	1350	1420	1.35	0.325	(22)	27140	
IRKD56/10	IRKC56/10	IRKJ56/10	1000	60	100	1350	1420	1.35	0.325	(22)	27140	
IRKD56/12	IRKC56/12	IRKJ56/12	1200	60	100	1350	1420	1.35	0.325	(22)	27140	
IRKD56/14	IRKC56/14	IRKJ56/14	1400	60	100	1350	1420	1.35	0.325	(22)	27140	
IRKD56/16	IRKC56/16	IRKJ56/16	1600	60	100	1350	1420	1.35	0.325	(22)	27140	
IRKD71/04	IRKC71/04	IRKJ71/04	400	80	100	1500	1570	1.30	0.285	(22)	27140	
IRKD71/06	IRKC71/06	IRKJ71/06	600	80	100	1500	1570	1.30	0.285	(22)	27140	
IRKD71/08	IRKC71/08	IRKJ71/08	800	80	100	1500	1570	1.30	0.285	(22)	27140	
IRKD71/10	IRKC71/10	IRKJ71/10	1000	80	100	1500	1570	1.30	0.285	(22)	27140	
IRKD71/12	IRKC71/12	IRKJ71/12	1200	80	100	1500	1570	1.30	0.285	(22)	27140	
IRKD71/14	IRKC71/14	IRKJ71/14	1400	80	100	1500	1570	1.30	0.285	(22)	27140	
IRKD71/16	IRKC71/16	IRKJ71/16	1600	80	100	1500	1570	1.30	0.285	(22)	27140	
IRKD91/04	IRKC91/04	IRKJ91/04	400	100	100	1700	1780	1.30	0.22	(22)	27141	
IRKD91/06	IRKC91/06	IRKJ91/06	600	100	100	1700	1780	1.30	0.22	(22)	27141	
IRKD91/08	IRKC91/08	IRKJ91/08	800	100	100	1700	1780	1.30	0.22	(22)	27141	
IRKD91/10	IRKC91/10	IRKJ91/10	1000	100	100	1700	1780	1.30	0.22	(22)	27141	
IRKD91/12	IRKC91/12	IRKJ91/12	1200	100	100	1700	1780	1.30	0.22	(22)	27141	
IRKD91/14	IRKC91/14	IRKJ91/14	1400	100	100	1700	1780	1.30	0.22	(22)	27141	
IRKD91/16	IRKC91/16	IRKJ91/16	1600	100	100	1700	1780	1.30	0.22	(22)	27141	
IRKD166-04	IRKC166-04	IRKJ166-04	400	165	100	3350	3500	1.69	0.10	(25)(26)	87096	INT-A-Pak (M5)
IRKD166-08	IRKC166-08	IRKJ166-08	800	165	100	3350	3500	1.69	0.10	(25)(26)	87096	
IRKD166-12	IRKC166-12	IRKJ166-12	1200	165	100	3350	3500	1.69	0.10	(25)(26)	87096	
IRKD166-16	IRKC166-16	IRKJ166-16	1600	165	100	3350	3500	1.69	0.10	(25)(26)	87096	
IRKD166-20	IRKC166-20	IRKJ166-20	2000	165	100	3350	3500	1.69	0.10	(25)(26)	87096	
IRKD196-04	IRKC196-04	IRKJ196-04	400	195	100	4000	4200	1.38	0.10	(25)(26)	87096	
IRKD196-08	IRKC196-08	IRKJ196-08	800	195	100	4000	4200	1.38	0.10	(25)(26)	87096	
IRKD196-12	IRKC196-12	IRKJ196-12	1200	195	100	4000	4200	1.38	0.10	(25)(26)	87096	
IRKD196-16	IRKC196-16	IRKJ196-16	1600	195	100	4000	4200	1.38	0.10	(25)(26)	87096	
IRKD196-20	IRKC196-20	IRKJ196-20	2000	195	100	4000	4200	1.38	0.10	(25)(26)	87096	
IRKD196-24	IRKC196-24	IRKJ196-24	2400	195	100	4000	4200	1.38	0.10	(25)(26)	87096	
IRKD236-04	IRKC236-04	IRKJ236-04	400	230	100	5500	5700	1.27	0.085	(25)(26)	87096	
IRKD236-08	IRKC236-08	IRKJ236-08	800	230	100	5500	5700	1.27	0.085	(25)(26)	87096	
IRKD236-12	IRKC236-12	IRKJ236-12	1200	230	100	5500	5700	1.27	0.085	(25)(26)	87096	
IRKD236-16	IRKC236-16	IRKJ236-16	1600	230	100	5500	5700	1.27	0.085	(25)(26)	87096	
IRKD236-20	IRKC236-20	IRKJ236-20	2000	230	100	5500	5700	1.27	0.085	(25)(26)	87096	
IRKD236-22	IRKC236-22	IRKJ236-22	2200	230	100	5500	5700	1.27	0.085	(25)(26)	87096	
IRKD236-24	IRKC236-24	IRKJ236-24	2400	230	100	5500	5700	1.27	0.085	(25)(26)	87096	



ADD-A-Pak



INT-A-Pak



MAGN-A-Pak

 **RECOGNIZED**
File no. E75666

Doubler	PART NUMBER		VRRM (V)	IF(AV) @ TC (A)	TC (°C)	IFSM (23)		(24)	(21)	Notes	Fax-on- Demand Number	Case Style, (Case Outline) (1)
	Center Tap » Common Cathode	Center Tap » Common Anode				50 Hz	60 Hz	VFM (V)	R _{thJC} DC (K/W)			
Power Modules - Diode / Diode												
IRKD250-04	IRKC250-04	IRKJ250-04	400	250	100	5900	6180	1.29	0.08	(26)	87090	MAGN-A-Pak (M6)
IRKD250-08	IRKC250-08	IRKJ250-08	800	250	100	5900	6180	1.29	0.08	(26)	87090	
IRKD250-12	IRKC250-12	IRKJ250-12	1200	250	100	5900	6180	1.29	0.08	(26)	87090	
IRKD250-16	IRKC250-16	IRKJ250-16	1600	250	100	5900	6180	1.29	0.08	(26)	87090	
IRKD250-20	IRKC250-20	IRKJ250-20	2000	250	100	5900	6180	1.29	0.08	(26)	87090	
IRKD270-04	IRKC270-04	IRKJ270-04	400	270	100	7500	7850	1.48	0.063	(26)	87090	
IRKD270-08	IRKC270-08	IRKJ270-08	800	270	100	7500	7850	1.48	0.063	(26)	87090	
IRKD270-12	IRKC270-12	IRKJ270-12	1200	270	100	7500	7850	1.48	0.063	(26)	87090	
IRKD270-16	IRKC270-16	IRKJ270-16	1600	270	100	7500	7850	1.48	0.063	(26)	87090	
IRKD270-20	IRKC270-20	IRKJ270-20	2000	270	100	7500	7850	1.48	0.063	(26)	87090	
IRKD270-24	IRKC270-24	IRKJ270-24	2400	270	100	7500	7850	1.48	0.063	(26)	87090	
IRKD270-30	IRKC270-30	IRKJ270-30	3000	270	100	7500	7850	1.48	0.063	(26)	87090	
IRKD320-04	IRKC320-04	IRKJ320-04	400	320	100	8500	8900	1.28	0.063	(26)	87090	
IRKD320-08	IRKC320-08	IRKJ320-08	800	320	100	8500	8900	1.28	0.063	(26)	87090	
IRKD320-12	IRKC320-12	IRKJ320-12	1200	320	100	8500	8900	1.28	0.063	(26)	87090	
IRKD320-16	IRKC320-16	IRKJ320-16	1600	320	100	8500	8900	1.28	0.063	(26)	87090	
IRKD320-20	IRKC320-20	IRKJ320-20	2000	320	100	8500	8900	1.28	0.063	(26)	87090	

See page 26 for Diode Die Table. Additional die information located on page 160.

- (1) See page 105 for Case Outline information
 (21) Value given for R_{thJC} is per module.
 (22) RMS isolation voltage = 3500V - 50Hz.
 (23) T_j = T_j max = 150°C; 100% VRRM re-applied
 (24) VFM at IFM = IF(AV) X π T_j = 25°C.
 (25) Available with spacers and longer screws.
 (26) RMS isolation voltage = 3000V - 50Hz.
 » Contact factory for order information.