












Power Modules,

Diode/Diode

T-23-01

Part number			V _{RRM} (V)	I _{F(AV)} (A)	T _C (°C)	I _{FSM} (1)		V _{FM} (2) (V)	R _{thJC} DC (3) (°C/W)	Case Outline Number	Notes	Case style
(6)	(7)	(8)				50Hz (A)	60Hz (A)					
B40D10 B40D20 B40D40 B40D60 B40D80 B40D100 B40D120	B40C10 B40C20 B40C40 B40C60 B40C80 B40C100 B40C120	B40J10 B40J20 B40J40 B40J60 B40J80 B40J100 B40J120	100 200 400 600 800 1000 1200	40	85	550	575	1.31	0.60	M2	(4)	
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	1415	1.35	0.325	M4	(4)	
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	1450	1520	1.35	0.325	M4	(4)	
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	M4	(4)	
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	1600	1680	1.36	0.25	M4	(4)	
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	M4	(4)	
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	2020	2110	1.34	0.22	M4	(4)	
IRKD162-04 IRKD162-06 IRKD162-08 IRKD162-10 IRKD162-12 IRKD162-14 IRKD162-16	IRKC162-04 IRKC162-06 IRKC162-08 IRKC162-10 IRKC162-12 IRKC162-14 IRKC162-16	IRKJ162-04 IRKJ162-06 IRKJ162-08 IRKJ162-10 IRKJ162-12 IRKJ162-14 IRKJ162-16	400 600 800 1000 1200 1400 1600	160	85	5000	5240	1.25	0.105	M5	(4)	
IRKD192-04 IRKD192-06 IRKD192-08 IRKD192-10 IRKD192-12 IRKD192-14 IRKD192-16	IRKC192-04 IRKC192-06 IRKC192-08 IRKC192-10 IRKC192-12 IRKC192-14 IRKC192-16	IRKJ192-04 IRKJ192-06 IRKJ192-08 IRKJ192-10 IRKJ192-12 IRKJ192-14 IRKJ192-16	400 600 800 1000 1200 1400 1600	190	85	5500	5760	1.25	0.085	M5	(4)	
IRKD200-04 IRKD200-06 IRKD200-08 IRKD200-10 IRKD200-12 IRKD200-14 IRKD200-16 IRKD200-18	IRKC200-04 IRKC200-06 IRKC200-08 IRKC200-10 IRKC200-12 IRKC200-14 IRKC200-16 IRKC200-18	IRKJ200-04 IRKJ200-06 IRKJ200-08 IRKJ200-10 IRKJ200-12 IRKJ200-14 IRKJ200-16 IRKJ200-18	400 600 800 1000 1200 1400 1600 1800	200	100	7560	7920	1.15	0.07	M6	(4)	
IRKD260-04 IRKD260-06 IRKD260-08 IRKD260-10 IRKD260-12 IRKD260-14 IRKD260-16 IRKD260-18	IRKC260-04 IRKC260-06 IRKC260-08 IRKC260-10 IRKC260-12 IRKC260-14 IRKC260-16 IRKC260-18	IRKJ260-04 IRKJ260-06 IRKJ260-08 IRKJ260-10 IRKJ260-12 IRKJ260-14 IRKJ260-16 IRKJ260-18	400 600 800 1000 1200 1400 1600 1800	260	90	8500	8800	1.25	0.07	M6	(4)	

(1) 100% V_{RRM} reapplied. T_J = T_J Max = 150°C(2) I_{FM} = π × I_{F(AV)} · T_J = 25°C.(3) Value given for R_{thJC} is per module.

(4) RMS Isolation Voltage : 3500V - 50Hz.

(6) Doubler circuit.

(7) Center tap, Circuit common cathode.

(8) Center tap, Circuit common anode.