

Power Modules,

Thyristor/Diode

international
Rectifier

T-25-01

Part number				V_{RRM} V_{DRM}	$I_{T(AV)}$ @ T_C $I_{F(AV)}$		I_{TSM}, I_{FSM} (1)		R_{thJC} DC (2)	Case Outline Number	Notes	Case style
(6)	(7)	(8)	(9)	(V)	(A)	(°C)	50Hz (A)	60Hz (A)	(°C/W)			
IRKH132-04 IRKH132-06 IRKH132-08 IRKH132-10 IRKH132-12 IRKH132-14 IRKH132-16	IRKK132-04 IRKK132-06 IRKK132-08 IRKK132-10 IRKK132-12 IRKK132-14 IRKK132-16	IRKL132-04 IRKL132-06 IRKL132-08 IRKL132-10 IRKL132-12 IRKL132-14 IRKL132-16	IRKN132-04 IRKN132-06 IRKN132-08 IRKN132-10 IRKN132-12 IRKN132-14 IRKN132-16	400 600 800 1000 1200 1400 1600	130	85	4000	4200	0.105	M5	(4)	
IRKH162-04 IRKH162-06 IRKH162-08 IRKH162-10 IRKH162-12 IRKH162-14 IRKH162-16	IRKK162-04 IRKK162-06 IRKK162-08 IRKK162-10 IRKK162-12 IRKK162-14 IRKK162-16	IRKL162-04 IRKL162-06 IRKL162-08 IRKL162-10 IRKL162-12 IRKL162-14 IRKL162-16	IRKN162-04 IRKN162-06 IRKN162-08 IRKN162-10 IRKN162-12 IRKN162-14 IRKN162-16	400 600 800 1000 1200 1400 1600								
IRKH180-04 IRKH180-06 IRKH180-08 IRKH180-10 IRKH180-12 IRKH180-14 IRKH180-16	IRKK180-04 IRKK180-06 IRKK180-08 IRKK180-10 IRKK180-12 IRKK180-14 IRKK180-16	IRKL180-04 IRKL180-06 IRKL180-08 IRKL180-10 IRKL180-12 IRKL180-14 IRKL180-16	IRKN180-04 IRKN180-06 IRKN180-08 IRKN180-10 IRKN180-12 IRKN180-14 IRKN180-16	400 600 800 1000 1200 1400 1600								
IRKH210-04 IRKH210-06 IRKH210-08 IRKH210-10 IRKH210-12 IRKH210-14 IRKH210-16	IRKK210-04 IRKK210-06 IRKK210-08 IRKK210-10 IRKK210-12 IRKK210-14 IRKK210-16	IRKL210-04 IRKL210-06 IRKL210-08 IRKL210-10 IRKL210-12 IRKL210-14 IRKL210-16	IRKN210-04 IRKN210-06 IRKN210-08 IRKN210-10 IRKN210-12 IRKN210-14 IRKN210-16	400 600 800 1000 1200 1400 1600								
IRKH250-04 IRKH250-06 IRKH250-08 IRKH250-10 IRKH250-12 IRKH250-14 IRKH250-16	IRKK250-04 IRKK250-06 IRKK250-08 IRKK250-10 IRKK250-12 IRKK250-14 IRKK250-16	IRKL250-04 IRKL250-06 IRKL250-08 IRKL250-10 IRKL250-12 IRKL250-14 IRKL250-16	IRKN250-04 IRKN250-06 IRKN250-08 IRKN250-10 IRKN250-12 IRKN250-14 IRKN250-16	400 600 800 1000 1200 1400 1600								
IRKH250-04 IRKH250-06 IRKH250-08 IRKH250-10 IRKH250-12 IRKH250-14 IRKH250-16	IRKK250-04 IRKK250-06 IRKK250-08 IRKK250-10 IRKK250-12 IRKK250-14 IRKK250-16	IRKL250-04 IRKL250-06 IRKL250-08 IRKL250-10 IRKL250-12 IRKL250-14 IRKL250-16	IRKN250-04 IRKN250-06 IRKN250-08 IRKN250-10 IRKN250-12 IRKN250-14 IRKN250-16	400 600 800 1000 1200 1400 1600								
IRKH250-04 IRKH250-06 IRKH250-08 IRKH250-10 IRKH250-12 IRKH250-14 IRKH250-16	IRKK250-04 IRKK250-06 IRKK250-08 IRKK250-10 IRKK250-12 IRKK250-14 IRKK250-16	IRKL250-04 IRKL250-06 IRKL250-08 IRKL250-10 IRKL250-12 IRKL250-14 IRKL250-16	IRKN250-04 IRKN250-06 IRKN250-08 IRKN250-10 IRKN250-12 IRKN250-14 IRKN250-16	400 600 800 1000 1200 1400 1600								

Thyristor with high voltage diode

Part number		Voltage range		$I_{T(AV)}$ @ T_C $I_{F(AV)}$		I_{TSM}, I_{FSM} (1)		R_{thJC} DC (2)	Case Outline Number	Notes	Case style
(6)	(8)	Thyristor (V)	Diode (V)	(A)	(°C)	50Hz (A)	60Hz (A)	(°C/W)			
IRKH132-14D20 IRKH132-16D25	IRKL132-14D20 IRKL132-16D25	1400 1600	2000 2500	130	85	4010	4200	0.21	M5	(4)	
IRKH162-14D20 IRKH162-16D25	IRKL162-14D20 IRKL162-16D25	1400 1600	2000 2500	160	85	4370	4575	0.17	M5	(4)	
IRKH180-14D20 IRKH180-16D25	IRKL180-14D20 IRKL180-16D25	1400 1600	2000 2500	180	90	5470	5720	0.07	M6	(4)	
IRKH210-14D20 IRKH210-16D25	IRKL210-14D20 IRKL210-16D25	1400 1600	2000 2500	210	90	6300	6600	0.07	M6	(4)	
IRKH250-14D20 IRKH250-16D25	IRKL250-14D20 IRKL250-16D25	1400 1600	2000 2500	250	85	7150	7480	0.07	M6	(4)	

(1) 100% V_{RRM} reapplied. $T_J = T_J \text{ Max} = 150^\circ\text{C}$ (2) Value given for R_{thJC} is per module.

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

(6) Doubler circuit, positive control.

(7) Center tap, Circuit common cathode.

(8) Doubler circuit, negative control.

(9) Center tap, Circuit common anode.