

Power Modules, Thyristor/Thyristor

**International
IOR Rectifier**

T-25-01

(6)	Part number (7) (8)		V_{RRM} V_{DRM} (V)	$I_{T(AV)}$ T_C (A) (°C)		I_{TSM} (1)		R_{thJC} DC (2) (°C/W)	Case Outline Number	Notes	Case style
						50Hz (A)	60Hz (A)				
P171 P172 P173 P174 P175	- - - - -	- - - - -	400 600 800 1000 1200	12.5	85	300	315	2.24	M1	(3) (4)	
P471 P472 P473 P474 P475	- - - - -	- - - - -	400 600 800 1000 1200	20	85	325	340	1.05	M1	(3) (4)	
B25DS10 B25DS20 B25DS40 B25DS60 B25DS80 B25DS100 B25DS120	B25CS10 B25CS20 B25CS40 B25CS60 B25CS80 B25CS100 B25CS120	B25JS10 B25JS20 B25JS40 B25JS60 B25JS80 B25JS100 B25JS120	100 200 400 600 800 1000 1200	25	70	330	345	0.525	M2	(4)	
IRKT26-04 IRKT26-06 IRKT26-08 IRKT26-10 IRKT26-12	IRKU26-04 IRKU26-06 IRKU26-08 IRKU26-10 IRKU26-12	IRKV26-04 IRKV26-06 IRKV26-08 IRKV26-10 IRKV26-12	400 600 800 1000 1200	25	85	500	525	0.40	M4	(4)	
IRKT26-14 IRKT26-16 IRKT26-18	IRKU26-14 IRKU26-16 IRKU26-18	IRKV26-14 IRKV26-16 IRKV26-18	1400 1600 1800	25	80	450	470	0.40	M4	(4)	
IRKT41-04 IRKT41-06 IRKT41-08 IRKT41-10 IRKT41-12	IRKU41-04 IRKU41-06 IRKU41-08 IRKU41-10 IRKU41-12	IRKV41-04 IRKV41-06 IRKV41-08 IRKV41-10 IRKV41-12	400 600 800 1000 1200	40	85	715	750	0.30	M4	(4)	
IRKT41-14 IRKT41-16 IRKT41-18	IRKU41-14 IRKU41-16 IRKU41-18	IRKV41-14 IRKV41-16 IRKV41-18	1400 1600 1800	40	80	650	680	0.30	M4	(4)	
IRKT56-04 IRKT56-06 IRKT56-08 IRKT56-10 IRKT56-12	IRKU56-04 IRKU56-06 IRKU56-08 IRKU56-10 IRKU56-12	IRKV56-04 IRKV56-06 IRKV56-08 IRKV56-10 IRKV56-12	400 600 800 1000 1200	55	85	1100	1150	0.25	M4	(4)	
IRKT56-14 IRKT56-16 IRKT56-18	IRKU56-14 IRKU56-16 IRKU56-18	IRKV56-14 IRKV56-16 IRKV56-18	1400 1600 1800	55	80	1050	1100	0.25	M4	(4)	
IRKT71-04 IRKT71-06 IRKT71-08 IRKT71-10 IRKT71-12	IRKU71-04 IRKU71-06 IRKU71-08 IRKU71-10 IRKU71-12	IRKV71-04 IRKV71-06 IRKV71-08 IRKV71-10 IRKV71-12	400 600 800 1000 1200	70	85	1400	1470	0.195	M4	(4)	
IRKT71-14 IRKT71-16 IRKT71-18	IRKU71-14 IRKU71-16 IRKU71-18	IRKV71-14 IRKV71-16 IRKV71-18	1400 1600 1800	70	80	1300	1360	0.195	M4	(4)	
IRKT91-04 IRKT91-06 IRKT91-08 IRKT91-10 IRKT91-12	IRKU91-04 IRKU91-06 IRKU91-08 IRKU91-10 IRKU91-12	IRKV91-04 IRKV91-06 IRKV91-08 IRKV91-10 IRKV91-12	400 600 800 1000 1200	90	85	1500	1570	0.145	M4	(4)	
IRKT91-14 IRKT91-16 IRKT91-18	IRKU91-14 IRKU91-16 IRKU91-18	IRKV91-14 IRKV91-16 IRKV91-18	1400 1600 1800	90	80	1435	1500	0.145	M4	(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.(3) Value given for R_{thJC} is per junction.

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

(6) Doubler circuit, positive control.

(7) Center tap, Circuit common cathode.

(8) Center tap, Circuit common anode.