






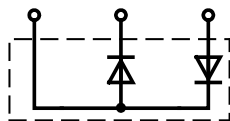
FRED & HiPerFRED™ Modules

$$I_{FAV} = 75 - 582 \text{ A}$$

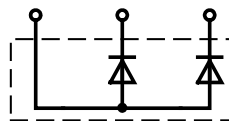
Type	V_{RRM}	I_{FAV}	@ T_C	I_{FRMS}	I_{FSM}	V_F	@ I_F	t_{rr}	I_{RM}	-di/dt	R_{thJC}	P_{tot}	Fig. No.	Package style
> New	V	A	°C	A	A	V	A	ns	A	A/μs	K/W	W		Outline drawings on pages O-30...O-52
		$d = 0.5$			10 ms 45°C	$T_{VJ} = 125^\circ\text{C}$		typ. $T_{VJ} = 25^\circ\text{C}$		$T_{VJ} = 100^\circ\text{C}$				
FRED														
MEO 550-02DA	200	582	75	822	4800	1.08	520	150	15	200	0.071	1750	X126d	X125e TO-240 Weight = 90 g 
MEA 500-06DA	600	514	75	726		1.41	520	250	132	800		1750		
MEO 450-12DA	1200	453	75	640		1.76	520	450	165	800		1750		
MEK 75-12DA	1200	2x 75	75	107	1200	1.85	100	250	33	200	0.45	280	X125e	
MEA 75-12DA	1200	2x 75	75											
MEE 75-12DA	2x 1200	75	75											
MEK 95-06DA	600	2x 95	75	142	1200	1.36	100	250	21	200	0.45	280	X126c	X126c Y4 Weight = 150 g 
MEA 95-06DA	600	2x 95	75											
MEE 95-06DA	2x 600	95	75											
MEK 350-02DA	200	2x 356	75	503	2400	0.92	260	150	15	200	0.143	875	X126c	
MEK 300-06DA	600	2x 304	75	430		1.19	260	250	66	400				
MEK 250-12DA	1200	2x 260	75	367		1.54	260	450	83	400				
MEE 300-06DA	2x 600	304	75	430	2400	1.19	260	250	66	400	0.143	875	X126c	X126d Y4 Weight = 150 g 
MEE 250-12DA	2x 1200	260	75	367		1.54	260	450	83	400				
MEA 300-06DA	600	2x 304	75	430	2400	1.19	260	250	66	400	0.143	875		
MEA 250-12DA	1200	2x 260	75	367		1.54	260	450	83	400				
HiPerFRED														
MEK 150-04DA	400	2x 150	100	200	1200	1.40*	300	300	typ. 11	100	0.35	360	X125e	
MEK 600-04DA	400	2x 575	80	800	3000	1.10	400	220	typ. 80	900	0.11	1100	X126c	
MPK 95-06DA	600	2x 95	110	200	1200	1.40	100	35	5.5	100	0.575	215	X125e	

* $T_{VJM} = 150^\circ\text{C}$

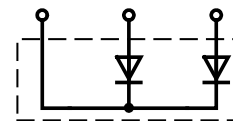
Diode connections for Fig. X125 (TO-240)



MEE

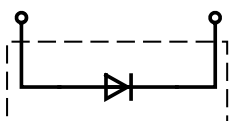


MEA

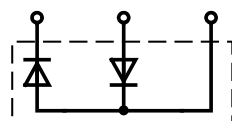


MEK / MPK

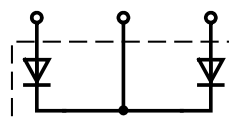
Diode connections for Fig. X126 (Y-4: 34 mm package)



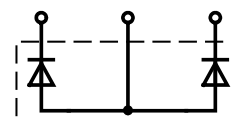
MEO



MEE



MEK



MEA