

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_r	I_{RM}	$-di/dt$	R_{thJC}	P_{tot}	Fig. No.	Package style
	V	A	°C	A	A	V	A	ns	A	A/ μ s	K/W	W		Outline drawings on pages O-31...O-52
FRED														
MEO 550-02DA	200	582	75	822	4800	1.08	520	150	15	200	0.071	1750	X126d	X125e TO-240
MEO 500-06DA	600	514	75	726	4800	1.41	520	250	132	800	0.071	1750		
MEO 450-12DA	1200	453	75	640	4800	1.76	520	450	165	800	0.071	1750		
MEK 75-12DA	1200	2x 75	75	107	1200	1.85	100	250	33	200	0.45	280	X125e	X126c Y4
MEA 75-12DA	1200	2x 75												
MEE 75-12DA	2x 1200	75												
MEK 95-06DA	600	2x 95	75	142	1200	1.36	100	250	21	200	0.45	280	X126c	X126d Y4
MEA 95-06DA	600	2x 95												
MEE 95-06DA	2x 600	95												
MEK 250-12DA	1200	2x 260	75	367	2400	1.54	260	450	83	400	0.143	875	X126c	X126d Y4
MEA 250-12DA	1200	2x 260												
MEE 250-12DA	2x 1200	260												
MEK 300-06DA	600	2x 304	75	430	2400	1.19	260	250	66	400	0.143	875	X126c	X126d Y4
MEA 300-06DA	600	2x 304												
MEE 300-06DA	2x 600	304												
MEK 350-02DA	200	2x 356	75	503	2400	0.92	260	150	15	200	0.143	875		
HiPerFRED™														
MEK 150-04DA	400	2x 150	100	200	1200	1.40*	300	300	11	100	0.35	360	X125e	
MEK 600-04DA	400	2x 575	80	800	3000	1.10	400	220	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	

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

Diode connections for Fig. X125 (TO-240)

MEE

MEA

MEK / MPK

Diode connections for Fig. X126 (Y4: 34 mm package)

MEO

MEE

MEK

MEA

SemiFast Diodes

$I_{FAV} = 60 \text{ A}$



Type	V_{RRM}	I_{FAV}	@ T_C	I_{FRMS}	I_{FSM}	V_F	@ I_F	t_r	I_{RM}	$-di/dt$	R_{thJC}	Fig. No.	Package style
	V	A	°C	A	A	V	A	ns	A	A/ μ s	K/W		
DSDI 60-14A	1400	63	60	100	500	4.1	70	300	60	500	0.4	X014b	X014b TO-247AD
DSDI 60-16A	1600												
DSDI 60-18A	1800												