

FRD Modules (for use with IGBT modules)

1200V Diodes

Part number	I_F	T_C °C	I_F as single diode (with external connection) A	I_{FM} A	V_F @ $T_j=25^\circ\text{C}$ V	I^2t kA ²	Q_{rr} @ T_{vj} μC	E_{rec} @ T_{vj} mJ	$R_{th(j-c)}$ per arm °C/kW	Outline code	Base plate dims mm	Base plate material
	A											
Fast Recovery Diode Modules—Dual diode												
DFM600FXM12-A	600	75	1200	1200	1.9	100	150	70	40	F	140×130	AlSiC
DFM600FXS12-A	600	75	1200	1200	1.9	100	150	70	40	F	140×130	Cu
DFM900FXM12-A	900	75	1800	1800	1.9	150	225	105	27	F	140×130	AlSiC
DFM900FXS12-A	900	75	1800	1800	1.9	150	225	105	27	F	140×130	Cu
DFM1200FXM12-A	1200	75	2400	2400	1.9	200	300	140	20	F	140×130	AlSiC
DFM1200FXS12-A	1200	75	2400	2400	1.9	200	300	140	20	F	140×130	Cu
Fast Recovery Diode Modules—Series pair												
DFM300WXS12-A	300	70	NA	600	2.0	25	85	32	100	W	107×62	Cu
DFM300WXS12-A	300	65	NA	600	2.0	30	170	100	100	W	107×62	Cu
Fast Recovery Diode Modules—Single diode												
DFM300BXS12-A	300	70	NA	600	2.0	25	85	32	100	B	107×62	Cu
DFM600BXS12-A	600	70	NA	1200	2.0	56	170	65	50	B	107×62	Cu
Fast Recovery Diode Modules—Triple diode												
DFM1200EXM12-A	1200	75	3600	2400	1.9	200	300	140	20	E	190×140	AlSiC
DFM1200EXS12-A	1200	75	3600	2400	1.9	200	300	140	20	E	190×140	Cu