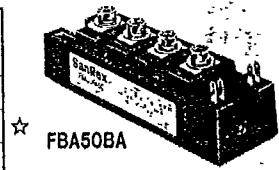


# SanRex<sup>®</sup> MOSFETS/TRANSISTORS/FRD

## POWER MOSFET MODULE

T-39-15

TYPE	I <sub>D</sub> A	V <sub>DSS</sub> V	Switching Time(ns)				R <sub>DS(on)</sub> mΩ	V <sub>DS(on)</sub> V	V <sub>CESS</sub> V	V <sub>ISO</sub> V(RMS)	R <sub>thjc</sub> °C/W	T <sub>J</sub> °C	CONN NO.	Fig. NO.
			td(on)	tr	td(off)	tf								
FBA50BA50	50	500	60	60	650	130	120	3.0	±20	2500	0.39	150	K	37
FCA50BC50	50	500	60	60	650	130	140	3.5	±20	2500	0.38	150	L	38
FBA75BA50	75	500	60	120	700	210	100	4.0	±20	2500	0.31	150	K	37
FCA75BC50	75	500	60	60	650	130	140	3.5	±20	2500	0.29	150	L	38
SF100AA50	100	500	70	120	1100	280	70	3.5	±20	2500	0.21	150	M	36
SF150AA50	150	500	90	180	1400	360	50	2.5	±20	2500	0.16	150	M	36
SF100AA20	100	200	80	130	650	120	25	1.25	±20	2500	0.41	150	M	36
SF150AA20	150	200	80	240	1300	330	17	1.3	±20	2500	0.27	150	M	36
SF200AA20	200	200	320	560	1800	400	15	1.5	±20	2500	0.2	150	M	36
SF200AA10	200	100	280	220	220	60	8	0.8	±20	2500	0.31	150	M	36



FBA50BA

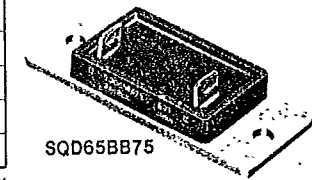


SF200AA10

☆New

## DARLINGTON TRANSISTOR (for IH)

TYPE	I <sub>C</sub> A	V <sub>CEO</sub> V	Switching Time(μs)			h <sub>FE</sub> (min)	V <sub>CE(sat)</sub> V(max)	V <sub>BE(sat)</sub> V(max)	I <sub>CEO</sub> mA(max)	T <sub>rr</sub> μS(TYP)	R <sub>thjc</sub> °C/W	T <sub>J</sub> °C	CONN No.	Fig. No.
			t <sub>on</sub>	t <sub>s</sub>	t <sub>f</sub>									
SQD35	35	1600	6.5	6	5	35	1.5	2.5	1	3	0.4	150	N	31
SQD50	50	1000	3.5	3	1.75	70	2	2.8	1	2.5	0.36	150	N	31
SQD65	65	750	2.5	3	1.5	200	2	2.8	1	3	0.44	150	N	31
SQD70	70	900	2.5	3	1.45	150	2	2.8	1	3	0.36	150	N	31



SQD65BB75

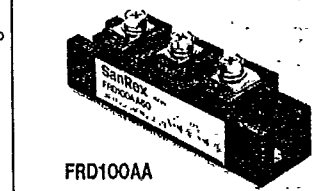
● Contact factory

## FAST RECOVERY DIODE

TYPE	V <sub>RRM</sub> V	I <sub>F(AV)</sub>		I <sub>F(RMS)</sub>		I <sub>FSM</sub> A(60HZ)	I <sup>2</sup> T A <sup>2</sup> S	V <sub>FM</sub> V(25°C)	I <sub>RRM</sub> mA(125°C)	V <sub>ISO</sub> V(RMS)	t <sub>rr</sub> (ns)	T <sub>J</sub> °C	R <sub>thjc</sub> °C/W	Fig. No.	Connection
		A	°C	A	°C										
DG20AA...M	400/600	20	80	31	80	450	840	1.4	6	2500	1200	125	2.0	15	
FRG25AA	300/600	25	78	38	78	450	840	1.8	30	2500	200	150	1.6	15	
FRG25BA	500	25	94	38	94	450	840	1.4	30	2500	100	150	1.6	15	
DD50GB...L	400/600	50	106	78.5	106	1000	4150	1.20	10	2500	700	150	0.7	21	
DD50GB...M	400/600	50	98	78.5	98	1000	4150	1.25	10	2500	800	150	0.7	21	
FRD/FDS100AA	300/600	100	78	157	78	2000	16600	1.8	150	2500	200	150	0.4	21	
FRD/FDS100BA	500	100	94	157	94	2000	16600	1.4	150	2500	100	150	0.4	21	
FRS200AA	300/600	200	82	314	92	3300	45000	1.8	300	2500	200	150	0.2	21	
FRS200BA	500	200	94	314	94	3300	45000	1.4	300	2500	100	150	0.2	21	
MDF(R)150L	200~400	150	94	235	94	3000	37500	1.3	50	—	450	150	0.3	20	
MDF(R)150M	200~400	150	94	235	94	3000	37500	1.3	50	—	550	150	0.3	20	
MDF(R)250A...L	200~400	250	85	390	85	4500	84000	1.3	60	—	450	150	0.2	20	
MDF(R)250A...M	200~400	250	85	390	85	4500	84000	1.3	60	—	550	150	0.2	20	



FRG25AA



FRD100AA

★ Under Develop

## CONNECTION

