



Power Modules (Diodes, Thyristors)

■ Diode Modules

1200 volts class fast recovery diode for snubber circuit (Non-insulated)

Device type	V _{RRM}	V _{RSM}	I _o	I _{FSM}	I ² t	V _{FM}	I _{RRM}	t _{rr}	R _{th(j-c)}	Package	Net mass Grams
	Volts	Volts	Amps.	Amps.	A ² s	Volts	mA	μsec.	°C/W		
ERG28-12	1200	1320	30	500	1000	3.0	10.0	0.6	0.80	Power M8F	25
ERG78-12	1200	1320	30	500	1000	3.0	10.0	0.6	0.80	Power M8R	25
1F60A-120F	1200	1320	60	1000	4000	3.0	20.0	0.6	0.32	R101	33
1F60A-120R	1200	1320	60	1000	4000	3.0	20.0	0.6	0.32	R101	33

Low voltage diode modules

Device type	V _{RRM}	V _{RSM}	I _o	I _{FSM}	I ² t	V _{FM}	I _{RRM}	t _{rr}	R _{th(j-c)}	Package	Net mass Grams
	Volts	Volts	Amps.	Amps.	A ² s	Volts	mA	μsec.	°C/W		
ESAL01-01C, N, D	100	150	150x2	2000	16000	1.35	10	-	0.15	R212	145
ESAL01-02C, N, D	200	300	150x2	2000	16000	1.35	10	-	0.15	R212	145

■ Diode and Thyristor Modules

Device type	Application	Diode and thyristor module						Diode V _{FM} Volts	Thyristor		Package	Net mass Grams
		V _{RRM} Volts	V _{RSM} Volts	I _o Amps.	I _{FSM} Amps.	I ² t A ² s	T _j °C		V _{TM} Volts	I _{GT} mA		
3R3TI20E-080	Power supply for inverter, battery charger and DC motor	800	900	20	400	660	125	Rectifier: 1.20	1.30	80	R611	140
3R3TI30E-080		800	900	30	600	1490	125		1.40	80	R611	140
3R3TI60E-080		800	900	60	1000	4150	125		1.30	80	R611	140
4R3TI20Y-080		800	900	20	400	660	125	Rectifier: 1.20	1.30	80	R701	140
4R3TI30Y-080		800	900	30	600	1490	125		1.40	80	R701	140
4R3TI60Y-080		800	900	60	1000	4150	125		1.30	80	R701	140
6R1TI30Y-080	For dynamic braking circuit	800	900	30	300	375	125	Output: 1.10	1.40	80	R702	140