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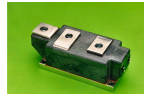
CD4



CD6



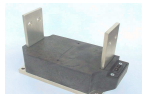
ND4



LD4



LS4



PA4, PD4, PS4

Diode Isolated Module SELECTOR GUIDE

TYPE	IT(AV) at Tc		ITSM (2) 1 pulse (kA)	I2t for fusing (kA2s)	storage temperature (°C)	Junction temperature range (°C)	V isolation 25°C (V rms)	VRRM max Tj = Tj max (V)	IRRM typical (mA)	Vo Tj = Tj max (mD)	rd	RthJC	RthJC	RthCS	Typical reverse recovery time			PACKAGE INFORMATION			base plate dimensions (mm)	
	(A)	(°C)										code	per module (°C/W)	per Junction (°C/W)	per module (°C/W)	IFM (A/μs)	-dir/dt (V/μs)	trr (μs)	Mounting torque	Construction		Style
DUAL DIODE																						
CD4-16C	100	101	99	2.60@10ms	34.4@10ms	-40 to 125	3000	2500	12	0.850	1.880	-	0.35	0.15	-	-	-	-	(M5) 4 Nm	Compression bonded	Dual Diode	92x21
CD4-16C	100	101	99	2.60@10ms	34.4@10ms	-40 to 125	3000	2500	12	0.850	1.880	-	0.35	0.15	-	-	-	-	(M5) 4 Nm	Compression bonded	Dual Diode (common anode)	92x21
CD4-16C	100	101	99	2.60@10ms	34.4@10ms	-40 to 125	3000	2500	12	0.850	1.880	-	0.35	0.15	-	-	-	-	(M5) 4 Nm	Compression bonded	Dual Diode (common cathode)	92x21
CD4-16C	100	106	99	2.60@10ms	34.4@10ms	-40 to 125	2500	1800	8	0.850	1.300	-	0.35	0.15	-	-	-	-	(M5) 4 Nm	Welder bonded	Dual Diode	92x21
CD6-16C	160	99	16	6.0@10ms	184@10ms	-40 to 125	2500	1800	12	0.800	1.350	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common anode)	94x34
CD6-16C	160	99	16	6.0@10ms	184@10ms	-40 to 125	2500	1800	12	0.800	1.350	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common cathode)	94x34
CD6-16C	160	95	16	6.0@10ms	184@10ms	-40 to 125	3000	2500	14	0.850	1.450	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode	94x34
CD6-16C	160	99	16	6.0@10ms	184@10ms	-40 to 125	3000	2500	14	0.850	1.450	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common anode)	94x34
CD6-16C	160	99	16	6.0@10ms	184@10ms	-40 to 125	3000	2500	14	0.850	1.450	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common cathode)	94x34
CD6-16C	160	95	16	6.0@10ms	184@10ms	-40 to 125	3600	3600	20	0.900	1.350	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode	94x36
CD6-16C	160	95	16	6.0@10ms	184@10ms	-40 to 125	3600	3600	20	0.900	1.350	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common anode)	94x36
CD6-16C	160	95	16	6.0@10ms	184@10ms	-40 to 125	3600	3600	20	0.900	1.350	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common cathode)	94x36
ND4-25	250	101	25	4.75@10ms	113@10ms	-40 to 150	3600	3400	50	1.095	0.482	0.07	0.14	0.03	1500	25	20	-	(M6) 5 Nm	Compression bonded	Dual Diode	93x50
ND4-26	260	112	26	8@8.3ms	266@8.3ms	-40 to 150	2500	2400	50	0.764	0.360	0.07	0.14	0.03	1500	25	10	-	(M6) 5 Nm	Compression bonded	Dual Diode	93x50
ND4-32	320	101	32	8@8.3ms	266@8.3ms	-40 to 150	2500	2000	50	0.764	0.360	0.07	0.14	0.03	1500	25	10	-	(M6) 5 Nm	Compression bonded	Dual Diode	93x50
ND4-35	350	102	35	7.34@10ms	269@10ms	-40 to 150	3600	1700	33	0.654	0.320	0.07	0.14	0.03	1500	25	10	-	(M6) 5 Nm	Compression bonded	Dual Diode	93x50
LD1-60	600	108	60	15@8.10ms	181@8.10ms	-40 to 150	3000	2900	40	0.747	0.243	0.025	0.065	0.01	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode	124x60
LD1-45	450	107	45	10@10ms	50@10ms	-40 to 150	3600	4000	50	0.850	0.550	0.065	0.065	0.02	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode	92x50
PD4-10	1000	87	10	23.8@10ms	283@10ms	-40 to 150	4000	4000	200	0.741	0.132	0.029	0.058	0.009	1500	25	25	-	(M6) 15 Nm	Compression bonded	Dual Diode	178x102
PD4-11	1100	87	11	26.9@10ms	362@10ms	-40 to 150	4000	2400	200	0.663	0.113	0.029	0.058	0.009	1500	25	22	-	(M6) 15 Nm	Compression bonded	Dual Diode	178x102
PN4-11	1100	87	11	26.9@10ms	362@10ms	-40 to 150	4000	2600	200	0.663	0.113	0.029	0.058	0.009	1500	25	22	-	(M6) 15 Nm	Compression bonded	Dual Diode (common anode)	178x102
SINGLE DIODE																						
CS4-99C	100	101	99	2.60@10ms	34.4@10ms	-40 to 150	3000	2500	12	0.850	1.880	-	0.35	0.15	-	-	-	-	(M5) 4 Nm	Compression bonded	Dual Diode	92x21
CS6-16C	160	99	16	6.0@10ms	184@10ms	-40 to 125	2500	1800	12	0.800	1.350	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Single Diode	94x34
CS6-16C	160	99	16	6.0@10ms	184@10ms	-40 to 125	2500	1800	12	0.800	1.350	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Single Diode	94x34
CS6-16C	160	99	16	6.0@10ms	184@10ms	-40 to 125	3000	2500	14	0.850	1.450	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common cathode)	94x34
CS6-16C	160	95	16	6.0@10ms	184@10ms	-40 to 125	3600	3600	20	0.900	1.350	-	0.23	0.08	-	-	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common anode)	94x34
NS4-26	260	112	26	8@8.3ms	266@8.3ms	-40 to 150	2500	2400	50	0.764	0.360	0.07	0.14	0.03	1500	25	10	-	(M6) 5 Nm	Compression bonded	Single Diode	93x50
LS4-60	600	108	60	15@8.10ms	181@8.10ms	-40 to 150	3000	2900	40	0.747	0.243	0.025	0.065	0.02	-	-	-	-	(M6) 8 Nm	Compression bonded	Single Diode	92x50
LS8-45	450	104	45	10@10ms	50@10ms	-40 to 150	3600	4000	50	0.850	0.550	0.065	0.065	0.02	-	-	-	-	(M6) 8 Nm	Compression bonded	Single Diode	92x50
PS4-14	1400	91	14	92.73@10ms	190@10ms	-40 to 150	4000	5000	400	0.710	0.170	0.032	-	0.009	1500	25	30	-	(M6) 15 Nm	Compression bonded	Single Diode	178x102
PS4-20	2000	96	20	40.4@10ms	815@10ms	-40 to 150	4000	4000	200	0.701	0.121	0.024	-	0.009	3000	25	25	-	(M6) 15 Nm	Compression bonded	Single Diode	178x102
PS4-25	2500	90	25	48.4@10ms	1170@10ms	-40 to 150	4000	2400	200	0.632	0.080	0.024	-	0.009	3000	25	22	-	(M6) 15 Nm	Compression bonded	Single Diode	178x102
HIGH VOLTAGE DUAL DIODE																						
GRD656001	650	80	65	6@10ms Vr=0	180@10ms Vr=0	-40 to 150	12000	6500	150	0.788	1.294	0.0185	0.037	0.01	-	-	-	-	(M6) 9 in lb	Compression bonded	Dual Diode	163x110
HIGH VOLTAGE single DIODE																						
GRSB165001	650	80	65	6@10ms Vr=0	180@10ms Vr=0	-40 to 150	12000	11000	150	1.575	2.587	0.0185	0.037	0.01	-	-	-	-	(M6) 9 in lb	Compression bonded	Single Diode	163x110
FAST RECOVERY																						
NC4-250C	250	104	25	8@8.3ms	266@8.3ms	-40 to 150	2500	1000	50	1.045	0.360	0.07	0.14	0.03	1500	25	2	-	(M6) 8 Nm	Compression bonded	Dual Diode (common anode)	93x50
LC4-24AD	240	73	24	3.25@10ms Vr=0	340@10ms Vr=0	-40 to 150	3600	4000	50	1.306	3.500	0.0325	0.065	0.001	1500	2.5 (125°C)	10	-	(M6) 8 Nm	Compression bonded	Dual Diode (common cathode)	124x60

Notes
(1) 180° conduction
(2) =100% reapplied voltage

ORDERING INFORMATION

Example : ND 41 20 26

ND4 : ND4 outline
1 : Dual Diode
20 : VRRM = 2000 V
26 : IF(AV) = 260 A

* preliminary data sheet

All our modules are delivered with hardware

All values shown in this document are subject to change for product improvement. The information, diagrams and all other data included herein are believed to be correct and reliable.