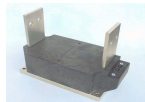
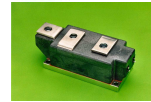
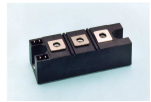


Unité de production  
428 avenue Georges Durand BP 23131  
72003 LE MANS Cedex 1  
France  
Tel : 33 (0) 2 43 41 14 14  
Fax : 33 (0) 2 43 41 14 02  
[www.powerex.fr](http://www.powerex.fr)



All our standard modules are RoHS compliant



## Diode Isolated Module SELECTOR GUIDE

TYPE	IT(AV) at Tc		IFSM (1) pulse (2)	I2t for fusing (kA2s)	storage temperature (°C)	Junction temperature range (°C)	V Isolation 25°C (V max)	VRRM max (V)	IRRM typical (mA)	Vo Tj = Tj max (V)	rd (m-)	RthJC per module (°C/W)	RthCJ per Junction (°C/W)	RthCS per module (°C/W)	Typical reverse recovery time @ Tj=25°C			Mounting	Construction	PACKAGE INFORMATION		
	(A)	(°C)													IFM (A)	-dir/dt (A/µs)	tr (µs)			Style	base plate dimensions (mm)	
<b>DUAL DIODE</b>																						
CD4-39C	100	104	99	2.60@10ms	34.4@10ms	40 to 150	40 to 150	2500	1800	8	0.800	1.740	0.35	0.15	-	-	(M5) 4 Nm	Compression bonded	Dual Diode	92x21		
CD4-39C	100	104	99	2.60@10ms	34.4@10ms	40 to 150	40 to 150	2500	1800	8	0.800	1.740	0.35	0.15	-	-	(M5) 4 Nm	Compression bonded	Dual Diode	92x21		
CD4-39C	100	104	99	2.60@10ms	34.4@10ms	40 to 150	40 to 150	2500	1800	8	0.800	1.740	0.35	0.15	-	-	(M5) 4 Nm	Compression bonded	Dual Diode	92x21		
CD4-39C	100	101	99	2.60@10ms	34.4@10ms	40 to 150	40 to 150	3000	2000 to 2600	12	0.850	1.880	0.35	0.15	-	-	(M5) 4 Nm	Compression bonded	Dual Diode	92x21		
CD4-39C	100	101	99	2.60@10ms	34.4@10ms	40 to 150	40 to 150	3000	2000 to 2600	12	0.850	1.880	0.35	0.15	-	-	(M5) 4 Nm	Compression bonded	Dual Diode	92x21		
CD4-39C	100	101	99	2.60@10ms	34.4@10ms	40 to 150	40 to 150	3000	2000 to 2600	12	0.850	1.880	0.35	0.15	-	-	(M5) 4 Nm	Compression bonded	Dual Diode	92x21		
CD4-39D	100	108	99	2.60@10ms	34.4@10ms	40 to 150	40 to 150	2500	1800	8	0.850	1.900	0.35	0.15	-	-	(M5) 4 Nm	Solder bonded	Dual Diode	92x21		
CD6-16C	180	99	16	6.0@10ms	184@10ms	40 to 125	40 to 150	2500	1800	12	0.800	1.350	0.23	0.08	-	-	(M6) 8 Nm	Compression bonded	Dual Diode	94x34		
CD6-16C	180	99	16	6.0@10ms	184@10ms	40 to 125	40 to 150	2500	1800	12	0.800	1.350	0.23	0.08	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common anode)	94x34		
CD6-16C	180	99	16	6.0@10ms	184@10ms	40 to 125	40 to 150	2500	1800	12	0.800	1.350	0.23	0.08	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common cathode)	94x34		
CD6-16C	180	99	16	6.0@10ms	184@10ms	40 to 125	40 to 150	3000	2500	14	0.850	1.450	0.23	0.08	-	-	(M6) 8 Nm	Compression bonded	Dual Diode	94x34		
CD6-16C	180	99	16	6.0@10ms	184@10ms	40 to 125	40 to 150	3000	2500	14	0.850	1.450	0.23	0.08	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common anode)	94x34		
CD6-16C	180	99	16	6.0@10ms	184@10ms	40 to 125	40 to 150	3000	2500	14	0.850	1.450	0.23	0.08	-	-	(M6) 8 Nm	Compression bonded	Dual Diode (common cathode)	94x34		
CD6-16C	180	95	16	5.2@10ms	140@10ms	40 to 125	40 to 150	3600	3600	20	0.900	1.350	0.23	0.08	-	-	(M6) 6 Nm	Compression bonded	Dual Diode	94x36		
CD6-16C	180	95	16	5.2@10ms	140@10ms	40 to 125	40 to 150	3600	3600	20	0.900	1.350	0.23	0.08	-	-	(M6) 6 Nm	Compression bonded	Dual Diode (common anode)	94x36		
CD6-16C	180	95	16	5.2@10ms	140@10ms	40 to 125	40 to 150	3600	3600	20	0.900	1.350	0.23	0.08	-	-	(M6) 6 Nm	Compression bonded	Dual Diode (common cathode)	94x36		
ND51-18	180	100	18	4.75@10ms	113@10ms	40 to 150	40 to 150	5000	4000	60	0.875	1.180	0.095	0.19	0.03	1500	25	30	(M6) 8 Nm	Compression bonded	Dual Diode	93x50
ND4-25	250	101	25	8.75@10ms	113@10ms	40 to 150	40 to 150	3500	3400	50	0.750	0.970	0.07	0.14	0.03	1500	25	20	(M6) 8 Nm	Compression bonded	Dual Diode	93x50
ND4-25	250	101	25	8.75@10ms	113@10ms	40 to 150	40 to 150	3500	3400	50	0.750	0.970	0.07	0.14	0.03	1500	25	20	(M6) 8 Nm	Compression bonded	Dual Diode	93x50
ND4-25	250	112	26	8@8.3ms	266@8.3ms	40 to 150	40 to 150	2500	2400	50	0.754	0.360	0.07	0.14	0.03	1500	25	10	(M6) 8 Nm	Compression bonded	Dual Diode	93x50
ND4-25	250	101	25	8@8.3ms	266@8.3ms	40 to 150	40 to 150	2500	2400	50	0.754	0.360	0.07	0.14	0.03	1500	25	10	(M6) 8 Nm	Compression bonded	Dual Diode	93x50
ND4-25	250	109	25	7.34@10ms	266@10ms	40 to 150	40 to 150	3500	3400	50	0.654	0.320	0.07	0.14	0.03	1500	25	10	(M6) 8 Nm	Compression bonded	Dual Diode	93x50
LD1-66	660	100	66	19.5@10ms	1800@10ms	40 to 125	40 to 150	3000	1800	50	0.780	0.230	0.0325	0.065	0.01	-	-	(M6) 8 Nm	Compression bonded	Dual Diode	124x60	
LD4-60	600	106	60	19@10ms	1810@10ms	40 to 150	40 to 150	3000	2600	40	0.747	0.243	0.0325	0.065	0.01	-	-	(M6) 8 Nm	Compression bonded	Dual Diode	124x60	
LD81-45	450	107	45	10@10ms	500@10ms	40 to 150	40 to 150	3600	4000	50	0.850	0.550	0.0325	0.065	0.01	-	-	(M6) 8 Nm	Compression bonded	Dual Diode	124x60	
PA4-10	1000	87	10	23.8@10ms	2830@10ms	40 to 150	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
PA4-10	1000	87	10	23.8@10ms	2830@10ms	40 to 150	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 (common anode)	178x102
PA4-10	1000	87	10	23.8@10ms	2830@10ms	40 to 150	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
PA4-11	1100	87	11	23.8@10ms	3620@10ms	40 to 150	40 to 150	4000	2400	200	0.663	0.113	0.029	0.058	0.009	1500	25	25	(M6) 15 Nm	Compression bonded	Dual Diode	178x102
PA4-11	1100	87	11	23.8@10ms	3620@10ms	40 to 150	40 to 150	4000	2400	200	0.663	0.113	0.029	0.058	0.009	1500	25	25	(M6) 15 Nm	Compression bonded	Dual Diode (common anode)	178x102
PS4-10	1000	91	14	32.7@10ms	1900@10ms	40 to 150	40 to 150	4000	5000	400	0.710	0.170	0.032	0.065	0.009	1500	25	30	(M6) 15 Nm	Compression bonded	Single Diode	178x102
PS4-20	2000	96	20	40.46@10ms	8185@10ms	40 to 150	40 to 150	4000	4000	200	0.701	0.121	0.024	0.065	0.009	3000	25	25	(M6) 15 Nm	Compression bonded	Single Diode	178x102
PS41-25	2500	90	25	48.40@10ms	11700@10ms	40 to 150	40 to 150	4000	2400	200	0.681	0.051	0.024	0.065	0.009	3000	25	22	(M6) 15 Nm	Compression bonded	Single Diode	178x102
<b>FAST RECOVERY</b>																						
NC44-250E	250	89	25	4.5@8.3ms	85@8.3ms	40 to 150	40 to 150	2500	1000	50	0.908	1.211	0.07	0.14	0.03	785	25	1	(M6) 8 Nm	Compression bonded	Dual Diode (common cathode)	93x50
ND44-250E	250	89	25	4.5@8.3ms	85@8.3ms	40 to 150	40 to 150	2500	1000	50	0.908	1.211	0.07	0.14	0.03	785	25	1	(M6) 8 Nm	Compression bonded	Dual Diode	93x50
LC41-24AD	240	73	24	3.25@10ms	340@10ms	40 to 150	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.