

Manufacturer Part Number Vds Vgs_max Vgs_th Id_cont (Ta)
For TLE9879 driver: Max 100nC @ 25kHz

Original:

Infineon Technologies	IPD90N04S4-05	40	±20	3V @ 30µA	20
Infineon Technologies	BSZ040N04LS G	40	±20	2V @ 30µA	18
Vishay Siliconix	SI4456DY-T1-E3	40	±20	2.8V @ 250µA	16
Diodes Incorporated	DMTH6016LPS-13	60	±20	2.5V @ 250uA	10,6
Nexperia USA Inc.	BUK7M12-60EX	60	±20	4V @ 1mA	
Nexperia USA Inc.	BUK9M15-60EX	60	±10V	2.45V @ 1mA	
Nexperia USA Inc.	BUK9M19-60EX	60	±10	2.1V @ 1mA	
ON Semiconductor	NTTFS5820NLTAG	60	±20	2.3V @ 250µA	11
Vishay Siliconix	SQJ158EP-T1_GE3	60	±20	2.5V @ 250µA	
Texas Instruments	CSD19538Q3A	100	±20	3.8V @ 250µA	15
Nexperia USA Inc.	BUK9M12-60EX	60	±10	2.1V @ 1mA	
Nexperia USA Inc.	BUK7M9R9-60EX	60	±20	4V @ 1mA	
Diodes Incorporated	DMN6013LFG-7	60	±20	3V @ 250µA	10,3
Infineon Technologies	BSZ100N06NSATMA	60	±20	3.3V @ 14µA	11

Double transistor in package:

STMicroelectronics	STL50DN6F7	60	±20	4V @ 250µA	15
Nexperia USA Inc.	BUK7K17-60EX	60	±20	4V @ 1mA	7,1
Diodes Incorporated	DMTH6010LPD-13	60	±20	3V @ 250µA	13,1
Nexperia USA Inc.	BUK7K13-60EX	60	±20	4V @ 1mA	8,47
Nexperia USA Inc.	BUK9K12-60EX	60	±20	2.1V @ 1mA	7,8

Id_cont (Tc@25°) **RdsOn_max** **P_max** **Gate charge**

86	5.2 mOhm @ 86A, 10V	65	37nC @ 86A,20V
40	4 mOhm @ 20A, 10V	2.1(Ta), 69(Tc)	48nC @ 20A,20V
33	3.8 mOhm @ 20A, 10V	3.5(Ta), 7.8(Tc)	122nC @ 10V

37,1	16 mOhm @ 20A, 10V	3(Ta), 37.5(Tc)	17nC @ 10V
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53	12 mOhm @ 15A, 10V	75	24.8nC @ 10V, 48V
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47	13 mOhm @ 10A, 10V	75	17nC @ 5V
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38	17 mOhm @ 10A, 10V	62	13.8nC @ 5V
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37	11.5 mOhm @ 8.7A, 10V	2.7(Ta), 33(Tc)	28nC @ 10V 1462pF @ 25V
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23	33 mOhm @ 7A, 10V	45	30nC @ 10V
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	59 mOhm @ 5A, 10V	2.8 (Ta), 23(Tc)	4.3nC @ 10V
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54 (10@170°)	11 mOhm @ 15A, 10V	79	7.9 @ 15A,48V
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60 (10@170°)	9.9 mOhm @ 15A, 10V	79	10.4 @ 15A,48V
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45	13 mOhm @ 10A, 10V	1(Ta)	55.4nC @ 10V
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40	10 mOhm @ 20A, 10V	2.1(Ta), 36(Tc)	15nC @ 10V
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57	11 mOhm @ 7.5A, 10V	62,5	17nC @ 10V
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30	14 mOhm @ 10A, 10V	53	23.6nC @ 10V
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47,6	11 mOhm @ 20A, 10V	2.8(Ta), 37.5(Tc)	40.2nC @ 10V
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40	10 mOhm @ 10A, 10V	64	30.1nC @ 10V
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35	10.7 mOhm @ 15A, 10V	68	24.5nC @ 5V
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Gate cap	Dimensions	Price @100
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2960 @ 25V		
3800 @ 20V	3.3 x 3.3	\$0,73490
5670pF @ 20V	4.9 x 6	\$1,73270

864pF @ 30V	5.15 x 6.15	\$0,40920
1625pF @ 25V	3.4 x 3.4	\$0,44340
2230pF @ 25V	3.4 x 3.4	\$0,44340
1814pF @ 25V	3.4 x 3.4	\$0,44410
	3.3 x 3.3	\$0,46150
1100pF @ 25V	5.13 x 6.15	\$0,48160
454pF @ 50V	3.3 x 3.3	\$0,48430
2769pF @ 25V	3.4 x 3.4	\$0,49480
2007pF @ 25V	3.4 x 3.4	\$0,49990
2577pF @ 30V	3.3 x 3.3	\$0,53320
1075pF @ 30V	3.3 x 3.3	\$0,63640

1035pF @ 30V	5.2 x 6.15	\$0,64500
1578pF @ 25V	5.30 x 6.2	\$0,72970
2615pF @ 30V	5.15 x 6.15	\$0,91210
2163pF @ 25V	5.30 x 6.2	\$0,97540
3470pF @ 25V	5.30 x 6.2	\$1,06660