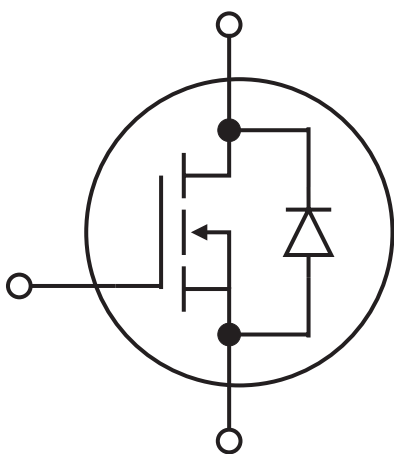




(POWER) MOSFETS



Using Advanced Trench Technology

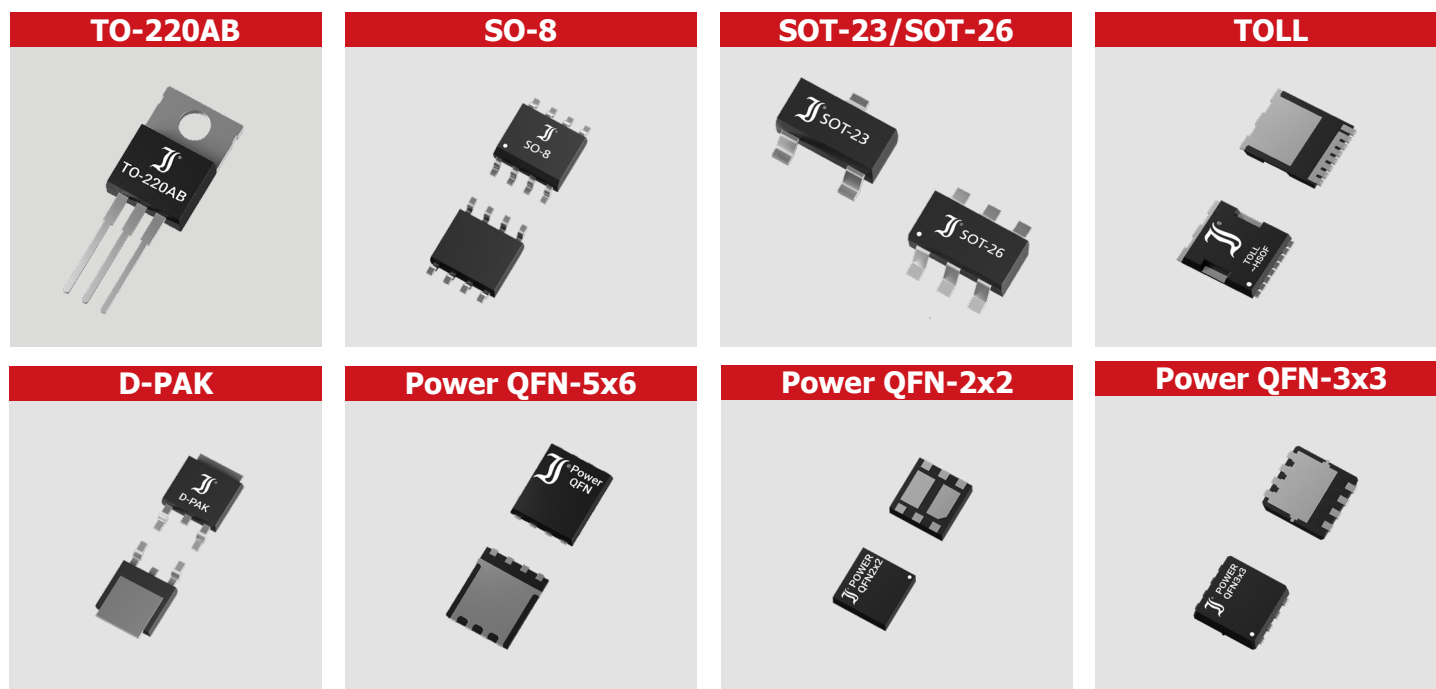
Features/Benefits

- > Advanced Trench Technology
- > Low on-state Resistance
- > Fast Switching Times
- > Low Gate Charge
- > Avalanche rated

Applications

- > DC/DC Converter
- > Power Supplies
- > DC Drives
- > Power Tools
- > Power Factor Correction

Energy saving by low $R_{DS(on)}$ and fast switching times



(POWER) MOSFETs Product Range in SO-8 Package

Partnumber		I_D [A]	V_{DS} [V]	$R_{DS(on)}$ [m Ω]	P_{tot} [W]	E_{AS} [mJ]
DI003N03SQ2	N	3	30	11	1,6	N/A
DI008N09SQ	N	8	90	75	2	3,2

(POWER) MOSFETs Product Range in Power QFN-2x2 Package

Partnumber		I_D [A]	V_{DS} [V]	$R_{DS(on)}$ [m Ω]	P_{tot} [W]	E_{AS} [mJ]
DI010N03PW/-AQ	N	10	30	12	1,4	20
DI005P04PW-AQ	N	-5	-40	40	2	N/A
DI006P02PW	P	-6	-20	25	2	N/A

(POWER) MOSFETs Product Range in Power QFN-3x3 Package

Partnumber		I_D [A]	V_{DS} [V]	$R_{DS(on)}$ [m Ω]	P_{tot} [W]	E_{AS} [mJ]
DI035N10PT/-AQ	N	35	100	18	25	29
DI040N03PT/-AQ	N	40	30	7	25	100
DI045N03PT/-AQ	N	45	30	3,4	16	55
DI048N04PT-AQ	N	48	40	7,6	31	45
DI050N04PT/-AQ	N	50	40	5,7	25	103
DI020P06PT/-AQ	P	-20	-60	45	29,7	26,4
DI028P03PT	P	-28	-30	6,7	40	N/A
DI035P04PT/-AQ	P	-35	-40	15	25	54
DI040P04PT/-AQ	P	-40	-40	15	22,7	51
DI050P03PT/-AQ	P	-50	-30	39	8	43,4

(POWER) MOSFETs Product Range in Power QFN-5x6 Package

Partnumber		I_D [A]	V_{DS} [V]	$R_{DS(on)}$ [m Ω]	P_{tot} [W]	E_{AS} [mJ]
DI017N06PQ-AQ	N	17	60	33	21	3,7
DI028N10PQ2-AQ	N	28	100	21	32,7	17
DI038N04PQ2/-AQ	N	38	45	10	31	36
DI045N10PQ-AQ	N	45	100	5,5	110	39
DI048N04PQ2/-AQ	N	48	40	9,6	27,7	45
DI068N03PQ/-AQ	N	68	30	3	25	80
DI080N03PQ	N	80	30	1,5	78	150
DI080N06PQ/-AQ	N	80	60	3	80	240
DI100N10PQ	N	100	100	4,1	250	270
DI110N03PQ	N	110	30	2,2	56	64
DI110N04PQ/-AQ	N	110	40	1,9	42	N/A
DI110N15PQ	N	110	150	8,8	56	340
DI150N03PQ	N	150	30	1,4	86	150
DI070P04PQ/-AQ	P	-70	-40	6,5	46	150

(POWER) MOSFETs Product Range in SOT-23 Package

Partnumber		I_D [A]	V_{DS} [V]	$R_{DS(on)}$ [m Ω]	P_{tot} [W]	E_{AS} [mJ]
2N7002	N	0,28	60	5000	0,35	N/A
2N7002A	N	0,28	60	2000	0,35	N/A
MMBT7002K/-AQ	N	0,3	60	3000	0,35	N/A
MMFTN123	N	0,17	100	6000	0,36	N/A
MMFTN138/-AQ	N	0,22	50	3500	0,36	N/A
MMFTN170	N	0,5	60	5000	0,3	N/A
MMFTN20	N	0,1	50	15000	0,3	N/A
MMFTN3402	N	4	30	55	1	N/A
MMFTN3404A/-AQ	N	5,6	30	23	1,25	N/A
MMFTN3422K/-AQ	N	4,2	30	42	1,25	N/A
MMFTN6001	N	0,44	60	2000	0,53	N/A
MMFTP3334K	P	-16	-30	71	1	N/A
MMFTP3401/-AQ	P	-4	-30	65	1	N/A
MMFTP5618/-AQ	P	-1,25	-60	170	0,5	N/A
MMFTP84	P	-0,13	-60	10000	0,25	N/A
MMFTP84K-AQ	P	-0,18	-60	10000	0,25	N/A

(POWER) MOSFETs Product Range in SOT-26 Package

Partnumber		I_D [A]	V_{DS} [V]	$R_{DS(on)}$ [m Ω]	P_{tot} [W]	E_{AS} [mJ]
MD06P115/-AQ	P	-3,1	-60	85	1,5	N/A

(POWER) MOSFETs Product Range in SOT-323 Package

Partnumber		I_D [A]	V_{DS} [V]	$R_{DS(on)}$ [m Ω]	P_{tot} [W]	E_{AS} [mJ]
2N7002W	N	0,12	60	13500	0,2	N/A
MMFTN3018W	N	0,1	30	8000	0,2	N/A
MMFTP84W	P	-0,13	-50	10000	0,25	N/A

(POWER) MOSFETs Product Range in TOLL Package

Partnumber		I_D [A]	V_{DS} [V]	$R_{DS(on)}$ [m Ω]	P_{tot} [W]	E_{AS} [mJ]
DI280N10TL	N	280	100	2	425	1225



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