

TYPE NO	CONSTRUCTION	PACKAGE & PINOUT	V <sub>DS</sub> MAX	I <sub>D</sub> MAX	T <sub>J</sub> MAX	P <sub>TOT</sub> MAX	V <sub>GS(OFF)</sub> or V <sub>GS(TH)</sub>	I <sub>DSS</sub> or I <sub>D(ON)</sub>	G <sub>FS</sub>	R <sub>DS(ON)</sub> MAX	C <sub>ISS</sub> MAX	C <sub>RSS</sub> MAX	USE	MNF	SUBSTITUTE
HSC4393	NJD	TO106 E	40V	150mA	200C	300mWF	0.5/3V	5/30mA		100R	14P	3P5	RLS	HEL	2N4393
HSC4416A	NJD	TO106 E	35V	15mA	200C	300mWF	2.5/6V	1/5mA	4.5/7.5mS		4P0	0P8	TUG	HEL	2N4416A
HSC5163	NJD	TO106 E	25V	40mA	125C	300mWF	0.4/8V	1/40mA	2/9mS		2P0	5P0	FVG	HEL	2N5163
HSC5457	NJD	TO106 E	25V	16mA	135C	300mWF	0.5/6V	1/5mA	1/5mS		7P0	3P0	ALG	HEL	2N5457
HSC5458	NJD	TO106 E	25V	16mA	135C	300mWF	1/7V	2/9mA	1.5/5.5mS		7P0	3P0	ALG	HEL	2N5458
HSC5459	NJD	TO106 E	25V	16mA	135C	300mWF	2/8V	4/16mA	2/6mS		7P0	3P0	ALG	HEL	2N5459
HSC5484	NJD	TO106 E	25V	5mA	150C	300mWF	0.3/3V	1/5mA	2.5mS		5P1	0P2	FVG	HEL	2N5484
HSC5485	NJD	TO106 E	25V	30mA	150C	300mWF	0.5/4V	4/10mA	3.5/7mS		5P1	0P2	TUG	HEL	2N5485
HSC5486	NJD	TO106 E	25V	30mA	150C	300mWF	2/6V	8/20mA	4/8mS		5P1	0P2	TUG	HEL	2N5486
HSC5638	NJD	TO106 E	30V	250mA	135C	300mWF	12Vmx	50mA		30R	10P	4P0	RLS	HEL	2N5638
HSC5639	NJD	TO106 E	30V	250mA	135C	300mWF	8Vmx	25mA		60R	10P	4P0	RLS	HEL	2N5639
HSC5640	NJD	TO106 E	30V	250mA	135C	300mWF	6Vmx	5mA		100R	10P	4P0	RLS	HEL	2N5640
IMF3954	NJD	T077 Ebd	40V	5mA	200C	250mWF	4.5Vmx	0.5/5mA	1mS				DUA	TEL	2N5196
IMF3955	NJD	T077 Ebd	40V	5mA	200C	250mWF	4.5Vmx	0.5/5mA	1mS				DUA	TEL	2N5196
IMF3955	NJD	T077 Ebd	40V	5mA	200C	250mWF	4.5Vmx	0.5/5mA	1mS				DUA	TEL	2N5196
IMF3955A	NJD	T077 Ebd	40V	5mA	200C	250mWF	4.5Vmx	0.5/5mA	1mS				DUA	TEL	2N3955
IMF3956	NJD	T077 Ebd	40V	5mA	200C	250mWF	4.5Vmx	0.5/5mA	1mS				DUA	TEL	2N3955A
IMF3957	NJD	T077 Ebd	40V	5mA	200C	250mWF	4.5Vmx	0.5/5mA	1mS				DUA	TEL	2N3956
IMF3958	NJD	T077 Ebd	40V	5mA	200C	250mWF	4.5Vmx	0.5/5mA	1mS				DUA	TEL	2N3957
IMF6485	NJD	T077 Ebd	50V	7.5mA	150C	500mWF	0.7/4V	0.5/7.5mA	1/4mS		20P	3P5	DUA	IHS	2N3958
IRF9210	PME	TO220 Dd	50V	4.7A	150C	20WC	2/4V	250μA	1.7S	0R5	240PtP	30PtP	IMS	IRC	2N5515
IRF9212	PME	TO220 Dd	50V	4A	150C	20WC	2/4V	250μA	1.7S	0R7	240PtP	30PtP	IMS	IRC	
IRF9220	PME	TO220 Dd	50V	9.7A	150C	40WC	2/4V	250μA	2.3S	0R28	480PtP	58PtP	IHS	IRC	
IRF9222	PME	TO220 Dd	50V	8.9A	150C	40WC	2/4V	250μA	2.3S	0R33	480PtP	58PtP	IHS	IRC	
IRF9230	PME	TO220 Dd	50V	18A	150C	74WC	2/4V	250μA	3.1S	0R14	900PtP	140PtP	IHS	IRC	
IRF9232	PME	TO220 Dd	50V	15A	150C	74WC	2/4V	250μA	3.1S	0R21	900PtP	140PtP	IHS	IRC	
IRF034	NME	T03 C	60V	30A	175C	90WC	2/4V	250μA	9.3S	0R05	1N3	100P	IHS	IRC	
IRF035	NME	T03 C	60V	25A	175C	90WC	2/4V	250μA	9.3S	0R07	1N3	100P	IHS	IRC	
IRF044	NME	T03 C	60V	30A	175C	150WC	2/4V	250μA	15S	R028	2N5	310P	IHS	IRC	
IRF045	NME	T03 C	60V	30A	175C	150WC	2/4V	250μA	15S	R035	2N5	310P	IHS	IRC	
IRF100	NME	T03 C	60V	6A											MTM12N06
IRF101	NME	T03 C	60V	6A											MTM12N06
IRF120	NME	T03 C	100V	8A	150C	40WC	2/4V	250μA	1500mS	0R3	600P	100P	RHG	IRC	ZVN1110M
IRF121	NME	T03 C	60V	8A	150C	40WC	2/4V	250μA	1500mS	0R3	600P	100P	RHG	IRC	ZVN1106M
IRF122	NME	T03 C	100V	7A	150C	40WC	2/4V	250μA	1500mS	0R4	600P	100P	RHG	IRC	ZVN1110M
IRF123	NME	T03 C	60V	7A	150C	40WC	2/4V	250μA	1500mS	0R4	600P	100P	RHG	IRC	ZVN1106M
IRF130	NME	T03 C	100V	14A	150C	75WC	2/4V	250μA	4S	0R18	800P	150P	RHG	IRC	ZVN1210M
IRF130R	NME	T03 C	100V	14A	175C	79WC	2/4V	250μA	4.6S	0R16	600PtP	100PtP	IHS	HRS	MTM12N10
IRF131	NME	T03 C	60V	14A	150C	75WC	2/4V	250μA	4.5S	0R18	800P	150P	RHG	IRC	ZVN1206M
IRF131R	NME	T03 C	60V	14A	175C	79WC	2/4V	250μA	4.6S	0R16	600PtP	100PtP	IHS	HRS	MTM12N10
IRF132	NME	T03 C	100V	12A	150C	75WC	2/4V	250μA	4S	0R25	800P	150P	RHG	IRC	ZVN1210M
IRF132R	NME	T03 C	100V	12A	175C	79WC	2/4V	250μA	4.6S	0R23	600PtP	100PtP	IHS	HRS	MTM12N10
IRF133	NME	T03 C	60V	12A	150C	75WC	2/4V	250μA	4S	0R25	800P	150P	RHG	IRC	ZVN1206M
IRF133R	NME	T03 C	60V	12A	175C	79WC	2/4V	250μA	4.6S	0R23	600PtP	100PtP	IHS	HRS	MTM12N10
IRF140	NME	T03 C	100V	27A	150C	125WC	2/4V	250μA	6S	R085	1N6	300P	RHG	IRC	VN2310N1
IRF140R	NME	T03 C	100V	28A	175C	150WC	2/4V	250μA	8.7S	R077	1N275tp	160PtP	IHS	HRS	MTM25N10
IRF141	NME	T03 C	60V	27A	150C	125WC	2/4V	250μA	6S	R085	1N6	300P	RHG	IRC	VN2306N1
IRF141R	NME	T03 C	80V	28A	175C	150WC	2/4V	250μA	8.7S	R077	1N275tp	160PtP	IHS	HRS	MTM25N10
IRF142	NME	T03 C	100V	24A	150C	125WC	2/4V	250μA	6S	0R11	1N6	300P	RHG	IRC	VN2310N1
IRF142R	NME	T03 C	100V	25A	175C	150WC	2/4V	250μA	8.7S	0R1	1N275tp	160PtP	IHS	HRS	MTM25N10
IRF143	NME	T03 C	60V	24A	150C	125WC	2/4V	250μA	6S	0R11	1N6	300P	RHG	IRC	VN2306N1
IRF143R	NME	T03 C	80V	25A	175C	150WC	2/4V	250μA	8.7S	0R1	1N275tp	160PtP	IHS	HRS	MTM25N10
IRF150	NME	T03 C	100V	40A	150C	150WC	2/4V	250μA	9S	R055	3N0	500P	RHG	IRC	VN2310N1
IRF150R	NME	T03 C	100V	40A	150C	150WC	2/4V	250μA	9S	R055	2N0tp	350PtP	IHS	HRS	MTM55N10
IRF151	NME	T03 C	60V	40A	150C	150WC	2/4V	250μA	9S	R055	3N0	500P	RHG	IRC	VN2306N1
IRF151R	NME	T03 C	60V	40A	150C	150WC	2/4V	250μA	9S	R055	2N0tp	350PtP	IHS	HRS	MTM55N10
IRF152	NME	T03 C	100V	33A	150C	150WC	2/4V	250μA	9S	R088	3N0	500P	RHG	IRC	VN2310N1
IRF152R	NME	T03 C	100V	33A	150C	150WC	2/4V	250μA	9S	0R08	2N0tp	350PtP	IHS	HRS	MTM55N10
IRF153	NME	T03 C	60V	33A	150C	150WC	2/4V	250μA	9S	0R08	3N0	500P	RHG	IRC	VN2306N1
IRF153R	NME	T03 C	60V	33A	150C	150WC	2/4V	250μA	9S	0R08	2N0tp	350PtP	IHS	HRS	MTM55N10
IRF220	NME	T03 C	200V	5A	150C	40WC	2/4V	250μA	1300mS	0R8	600P	80P	RHH	IRC	ZVN1120M
IRF221	NME	T03 C	150V	5A	150C	40WC	2/4V	250μA	1300mS	0R8	600P	80P	RHH	IRC	ZVN1114M
IRF222	NME	T03 C	200V	4A	150C	40WC	2/4V	250μA	1300mS	1R2	600P	80P	RHH	IRC	ZVN1120M
IRF223	NME	T03 C	150V	4A	150C	40WC	2/4V	250μA	1300mS	1R2	600P	80P	RHH	IRC	ZVN1114M
IRF224	NME	T03 C	250V	3.3A	175C	40WC	2/4V	250μA	1400mS	1R1	340PtP	32PtP	IHS	IRC	MTM8N20
IRF225	NME	T03 C	250V	3.3A	175C	40WC	2/4V	250μA	1400mS	1R5	340PtP	32PtP	IHS	IRC	MTM8N20
IRF230	NME	T03 C	200V	9A	150C	75WC	2/4V	250μA	3S	0R4	800P	150P	RHH	IRC	ZVN1220M
IRF230R	NME	T03 C	200V	9A	150C	75WC	2/4V	250μA	3S	0R4	600PtP	80PtP	IHS	HRS	MTM8N20
IRF231	NME	T03 C	150V	9A	150C	75WC	2/4V	250μA	3S	0R4	800P	150P	RHH	IRC	ZVN1214M
IRF231R	NME	T03 C	150V	9A	150C	75WC	2/4V	250μA	3S	0R4	600PtP	80PtP	IHS	HRS	MTM8N20
IRF232	NME	T03 C	200V	8A	150C	75WC	2/4V	250μA	3S	0R6	800P	150P	RHH	IRC	ZVN1220M
IRF232R	NME	T03 C	200V	8A	150C	75WC	2/4V	250μA	3S	0R6	600PtP	80PtP	IHS	HRS	MTM8N20
IRF233	NME	T03 C	150V	8A	150C	75WC	2/4V	250μA	3S	0R6	800P	150P	RHH	IRC	ZVN1214M
IRF233R	NME	T03 C	150V	8A	150C	75WC	2/4V	250μA	3S	0R6	600PtP	80PtP	IHS	HRS	MTM8N20
IRF234	NME	T03 C	250V	8.1A	175C	75WC	2/4V	250μA	2.9S	0R45	600PtP	52PtP	IHS	IRC	