TOLT-16L N

N-Channel MOSFET in a TOLT-16L Plastic Package .

V_{DS}(V)=60V I_D=650A

$R_{DS(ON)}$@10V≤0.6mΩ(Typ. 0.45 mΩ)

$R_{DS(ON)}$@6V≤1.2mΩ(Typ. 0.78 mΩ)

HF Product.

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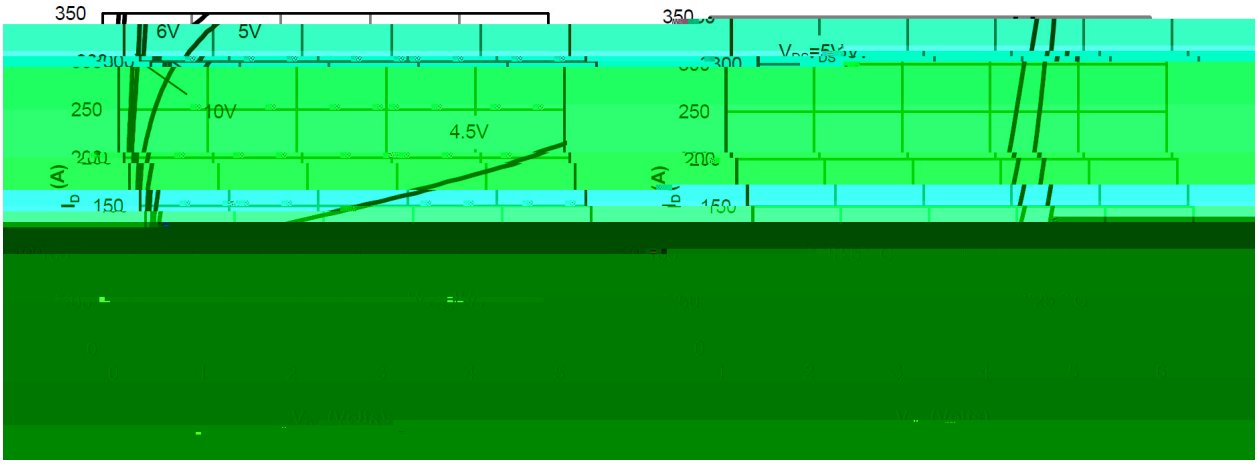
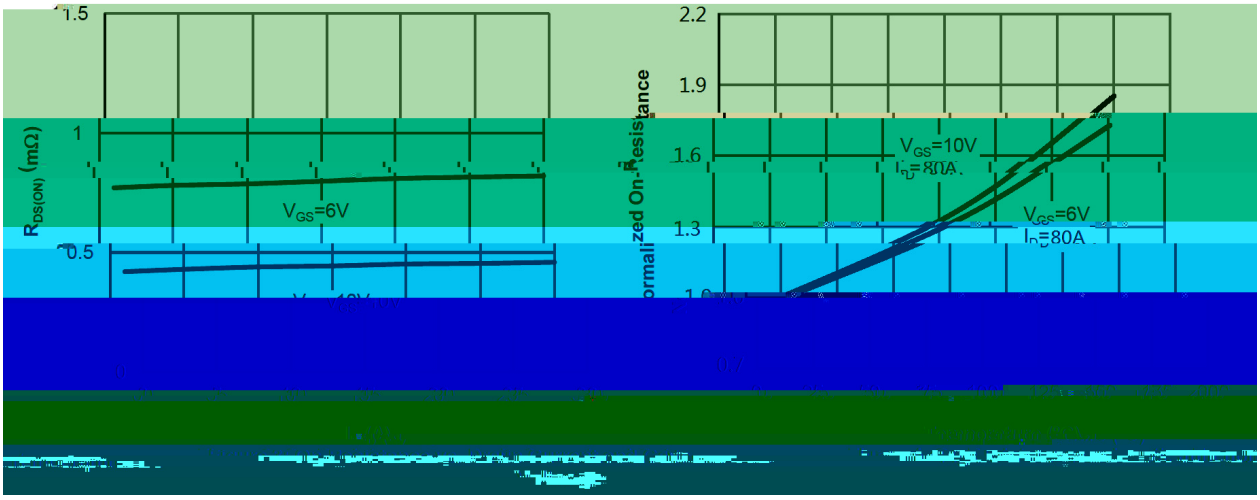
Parameter	Symbol	Rating	Unit

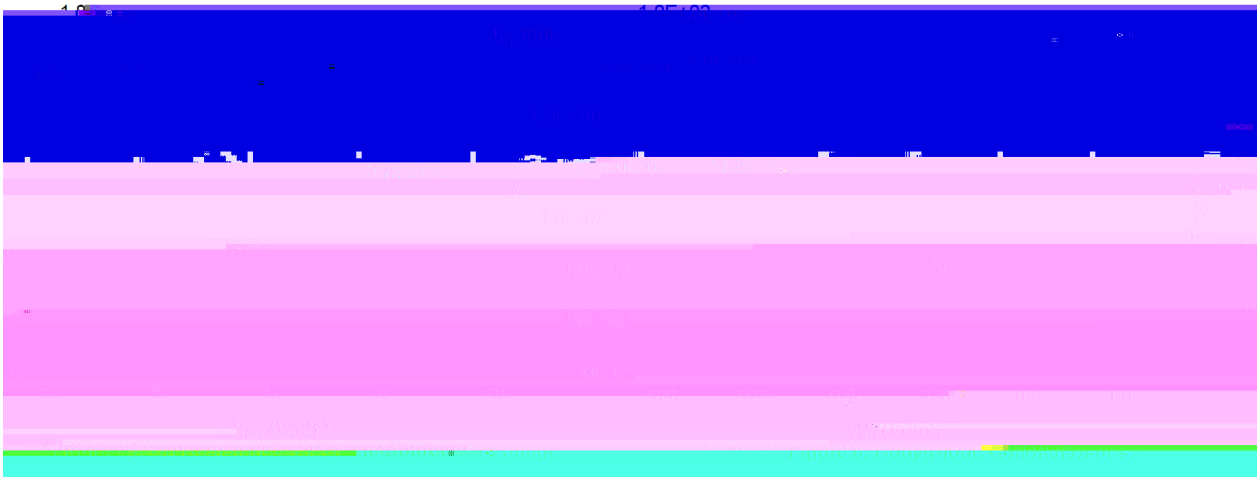
/ Electrical Characteristics(T_A=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Gate Charge	Q_g	V_{GS}=10V, V_{DS}=30V I_{DS}=50A		214		nC
Gate Source Charge	Q_{gs}			41		
Gate Drain Charge	Q_{gd}			54		
Turn-On Delay Time	$t_{d(on)}$	V_{GS}=10V V_{DS}=30V R_G=3Ω I_D=50A		36.7		ns
Turn-On Rise Time	t_r			173		
Turn-Off Delay Time	$t_{d(off)}$			135		
Turn-Off Fall Time	t_f			92.8		

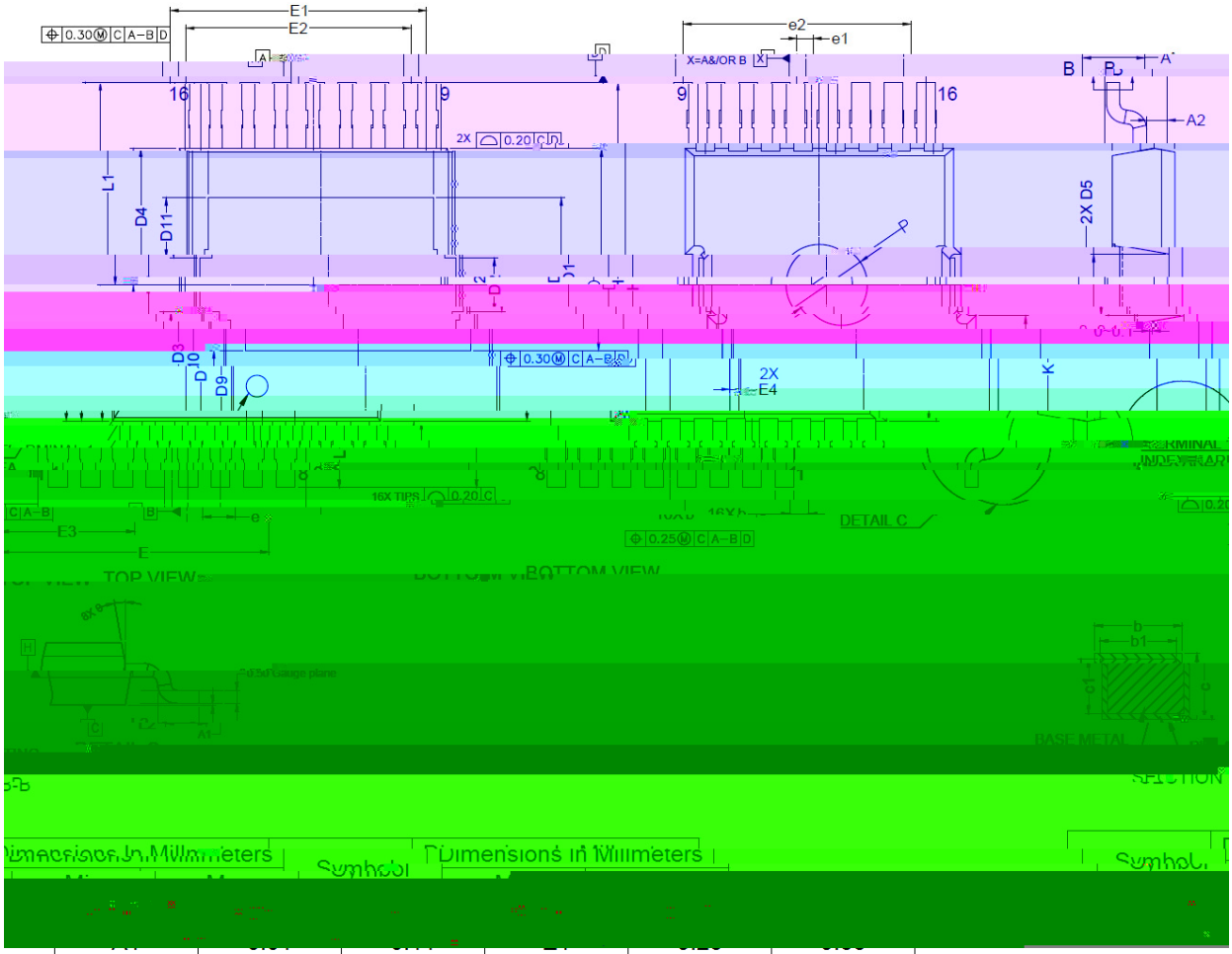
/ Electrical Characteristic Curve







/ Package Dimensions

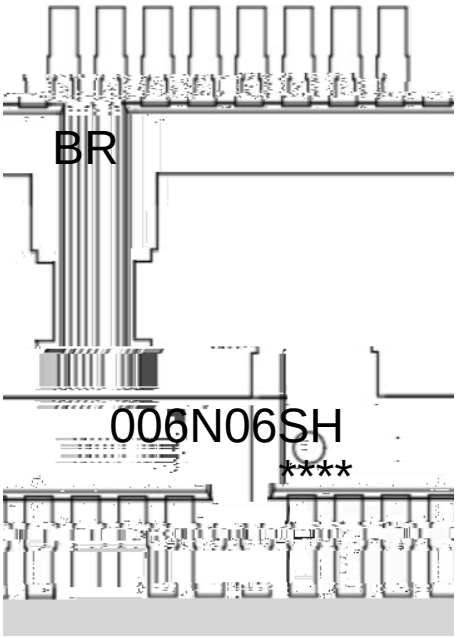


A2	0.56	0.96	E2	8.10	8.50
b	0.60	0.85	E3	4.75	5.15
b1	0.60	0.80	E4	0.30	0.60

5	0.60	e1	0.60 BSC			e1	0.4
09	10.30						
1	5.47	5.87	H	14.80	15.20		D
2	1.80	2.20	K	3.71	4.11		D
			D4	5.00	5.13	L1	7.30	7.70

0.07		D9	2.42	2.82	R
2.90	3.10	D10	3.85	4.25	P
4°	10°	D11	2.04	2.44	0

/ Marking Instructions



BR

006N06SH

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Note:

BR:	Company Code
006N06SH:	Product Type Code
****:	Lot No. Code, code change with Lot No.

BRCS006N06SHTP

Rev.A Mar.-2026