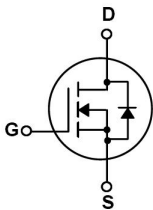
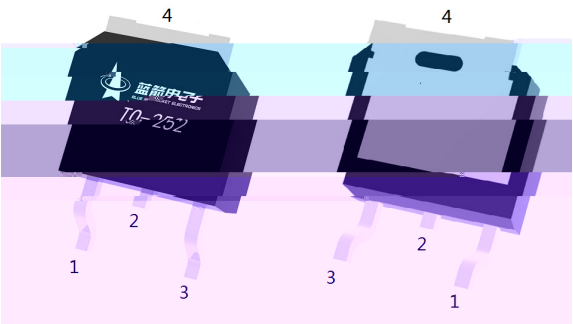


TO-252 .> // x 4 ?ú 3 MOS « | • 'ož
N-CHANNEL MOSFET in a TO-252 Plastic Package.

$V_{DS} (V) = 150V$
 $I_D = 25A (V_{GS} = f\ 20V)$
 $R_{DS(ON)}@10V\ 0.40mR$
—)í D } Ä . , 6 X U J [I Z

*) *) y ') *) ô E ~ c 5 ... v k ' y W œ Y *) *) ô E ~ ož
Synchronous Rectification in DC/DC and AC/DC Converters, Isolated DC/DC Converters in Telecom and Industrial.



PIN1 y G PIN 2 y D PIN 3 y S PIN 4 y D

, M V / Marking

• - ~ a ¢ož

@ f Parameter		... Z Symbol	f > Rating	% y Unit
Drain-Source Voltage		V _{DSS}	150	V
Drain Current		I _D (T _c =25 °C)	25	A
Drain Current - Pulsed		I _{DM}	49	A
Gate-Source Voltage		V _{GS}	±20	V
Single Pulsed Avalanche Energy		E _{AS}	18.4	mJ
Avalanche Current		I _{AS}	7.0	A
Power Dissipation		P _D (T _c =25 °C)	50	W
Operating and Storage Temperature Range		T _J , T _{stg}	-55 to 150	
Junction-to-Ambient	t 0 10	R _{JA}	25	/W
Junction-to-Ambient	Steady-State		55	
Junction-to-Case	Steady-State	R _{JC}	2.3	

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Drain-Source Breakdown Voltage	BV _{DSS}	V _{GS} =0V I _D =250 A	150	160		V
Zero Gate Voltage Drain Current	I _{DSS}	V _{DS} =120V V _{GS} =0V			1	A

@ f	... Z	y i Ú ^	Â 4 ›	Á ° ›
Parameter	Symbol	Test Conditions	Min	Typ

Electrical Characteristic Curve

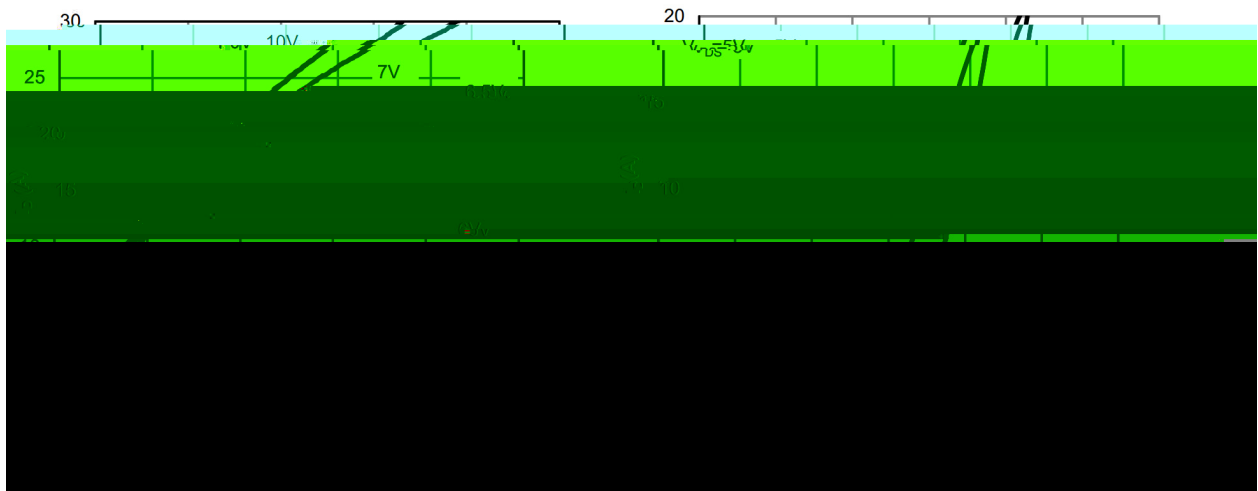
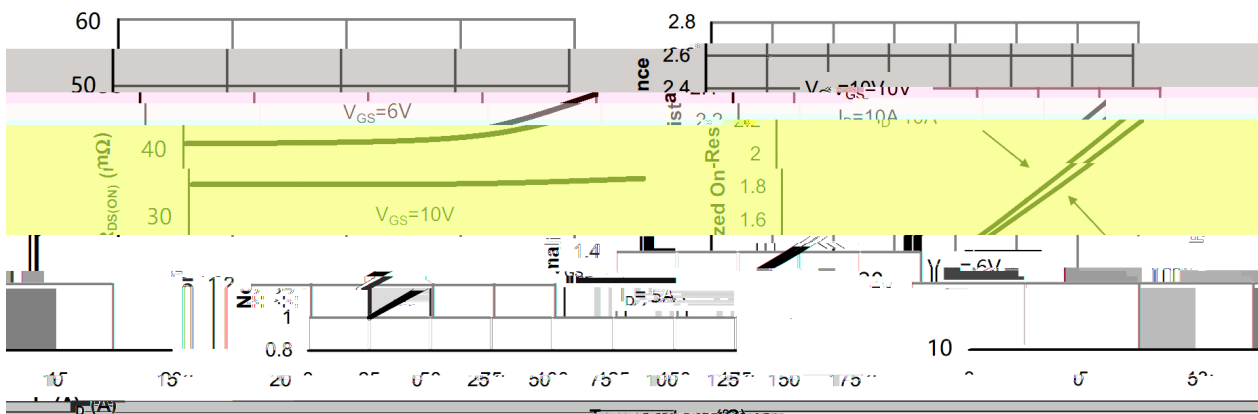
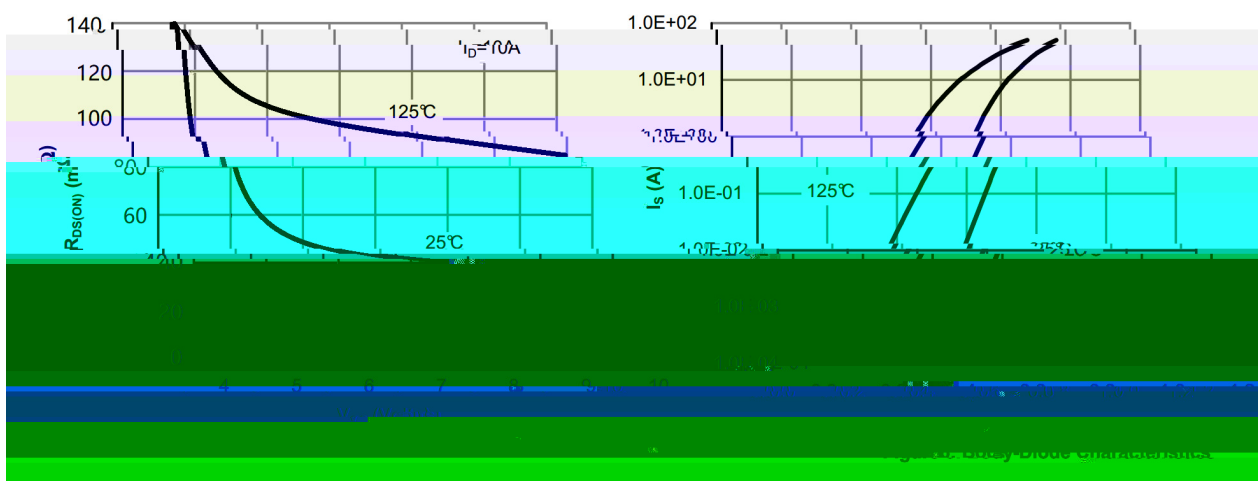


Figure 2: On-Resistance vs. Drain Current and Temperature



Electrical Characteristic Curve

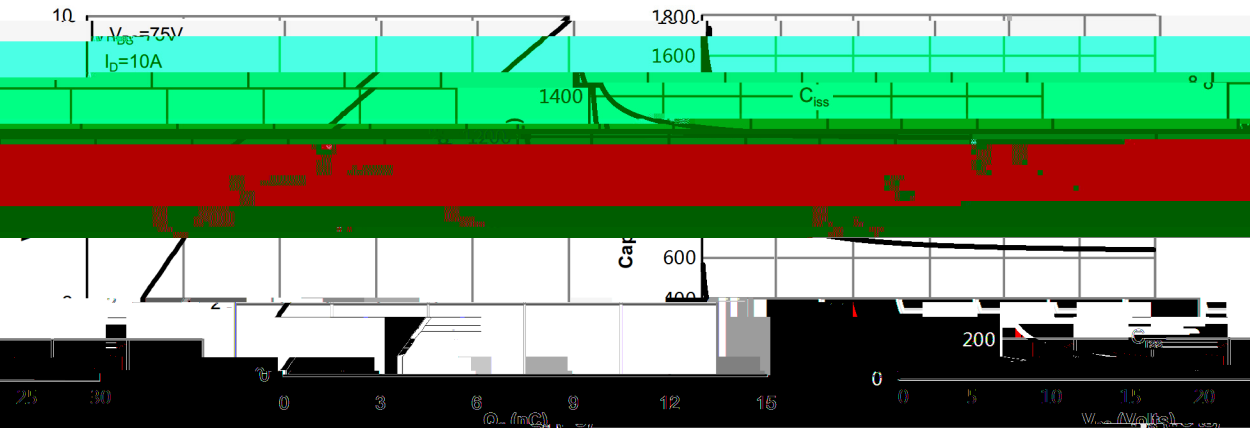


Figure 7: Gate Charge Characteristics Figure 8: Capacitance Characteristics

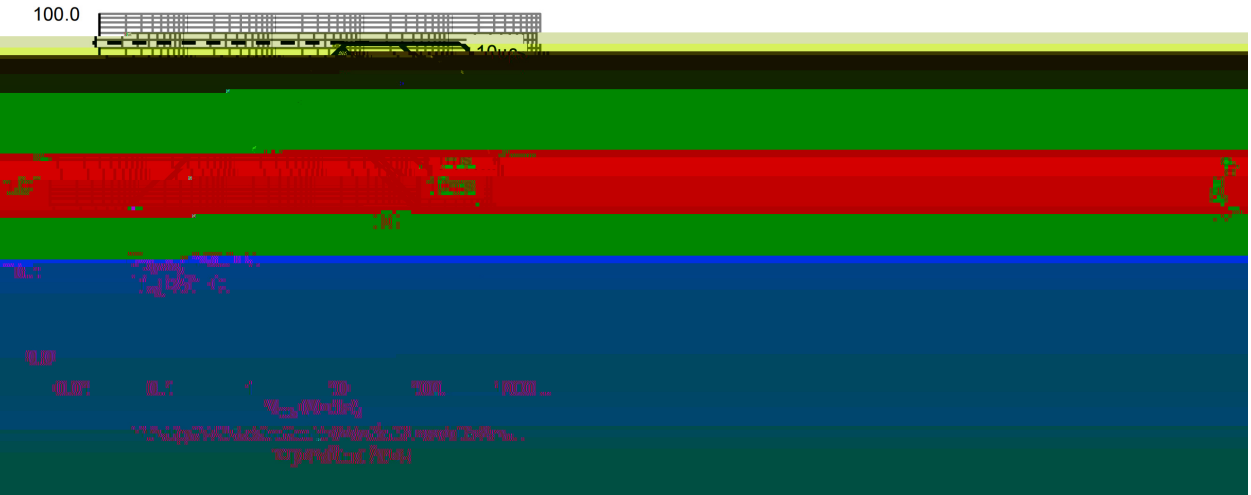
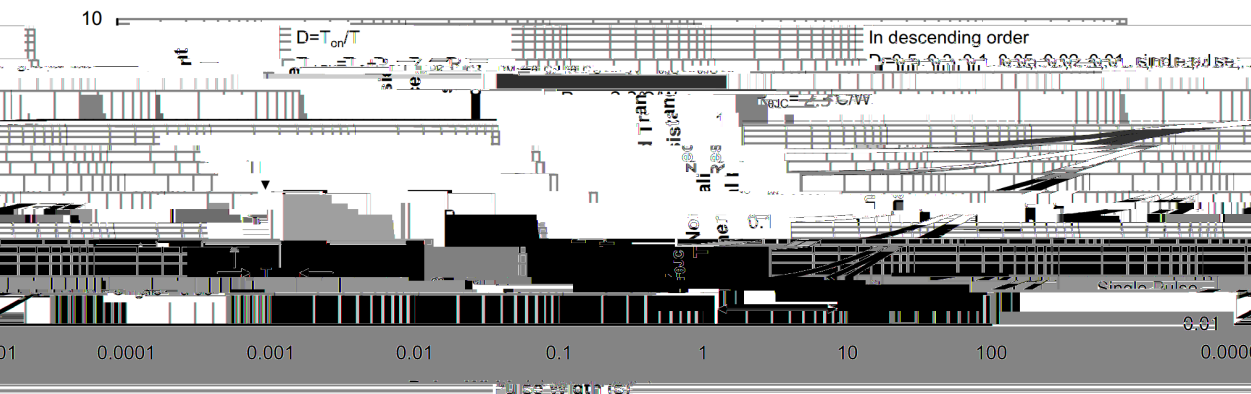
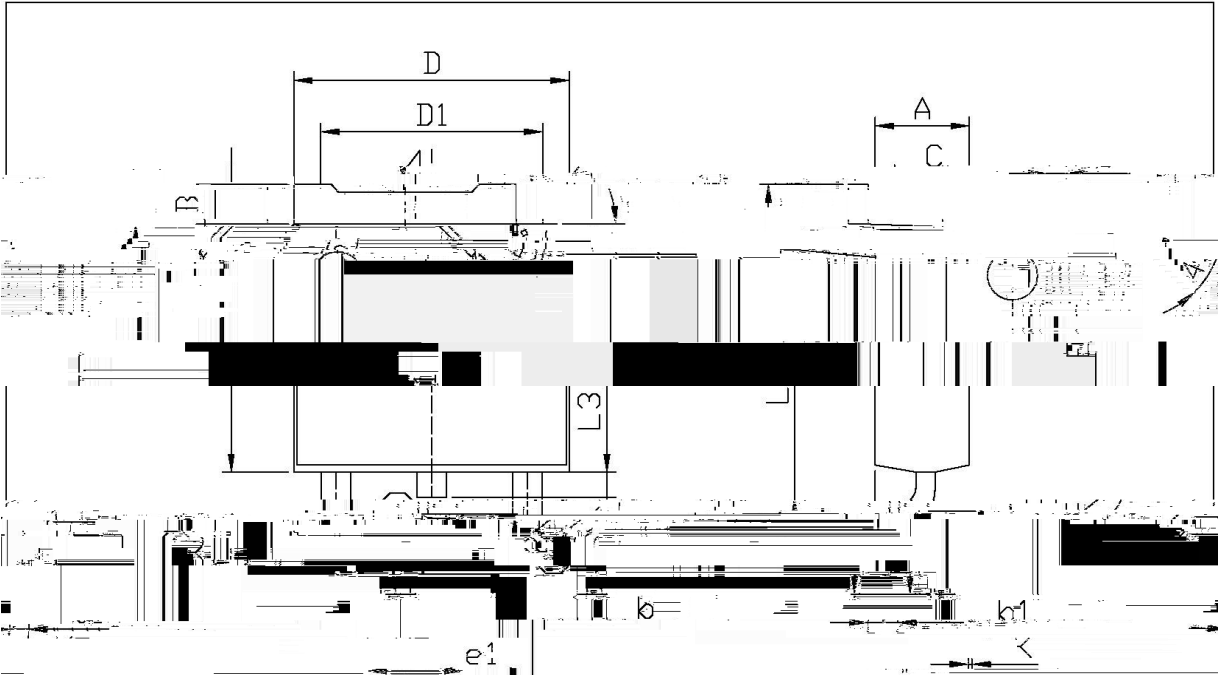
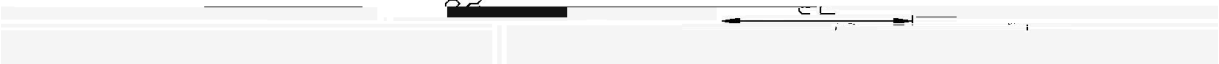


Figure 10: Normalized Maximum Transient Thermal Impedance

Ø □ =) ☉ / Package Dimensions



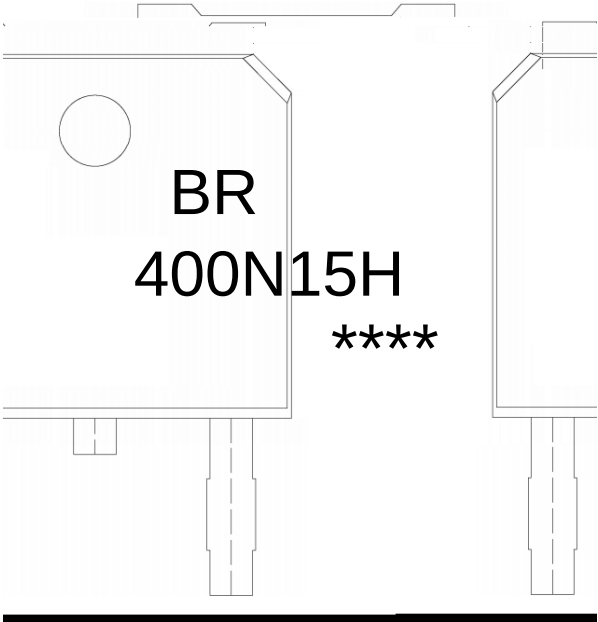
单位：mm

Dimensions in Millimeters

	Min	Max	Min	Max	Min	Max
B	0.95	1.25	e1	2.24	2.34	
b	0.70	0.80	b1	4.73	4.77	
L3	0.45	0.55	K	0.95	10.25	
D1	5.10	5.50	K	0.00	0.10	

T0-252

, M y f / Marking Instructions



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4 . y D } ° Z
y Ÿ D Z W A k š Ÿ D Z J

Note:
BR: Company Code
400N15H: Product Type
****: Lot No. Code, code change with Lot No

