

/ Descriptions

TO-220 N MOS N-CHANNEL MOSFET in a TO-220 Plastic Package.

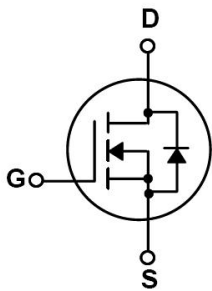
/ Features

Low gate charge, low crss, fast switching.

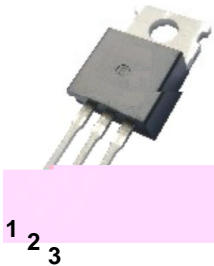
/ Applications

These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies.

/ Equivalent Circuit



/ Pinning

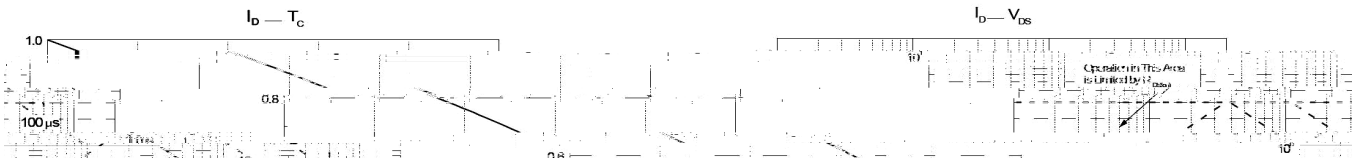
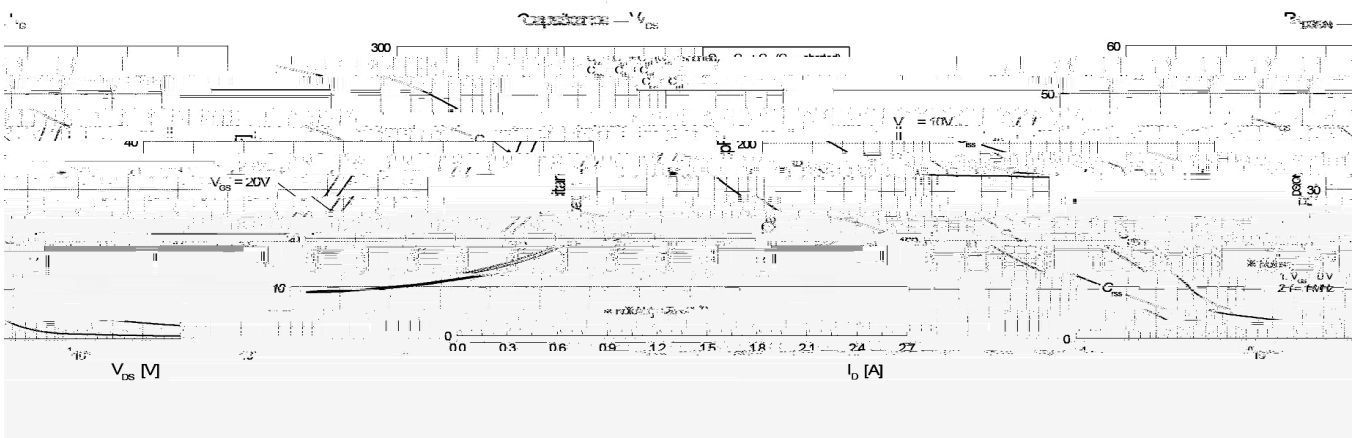
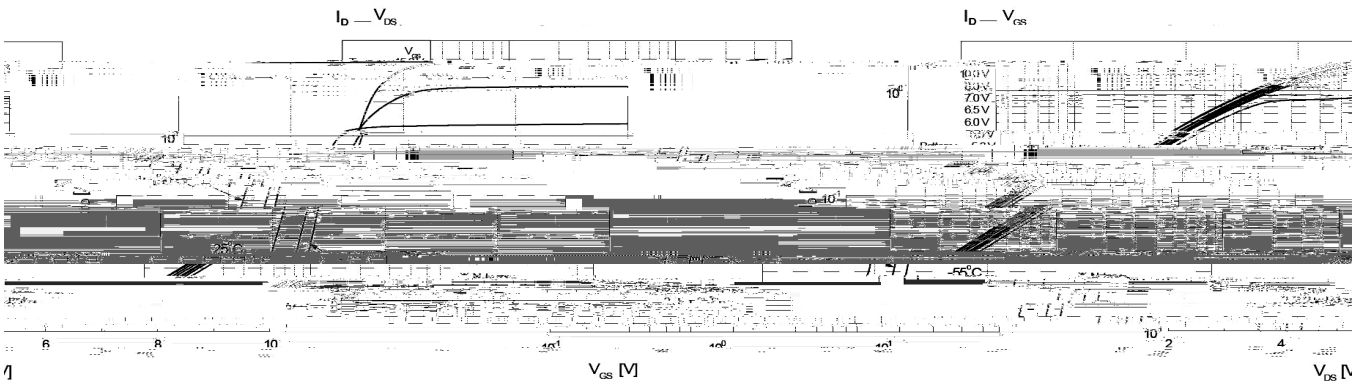


PIN1 G PIN 2 D PIN 3 S

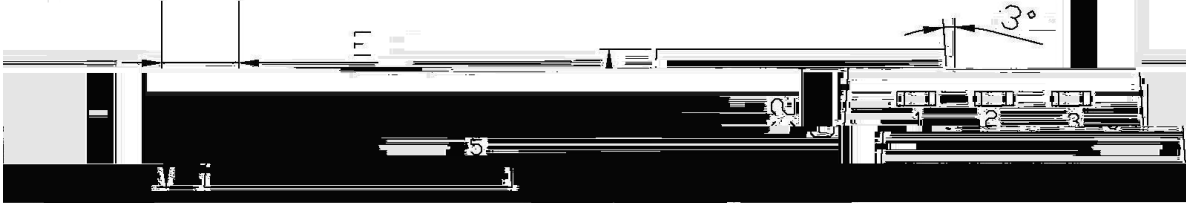
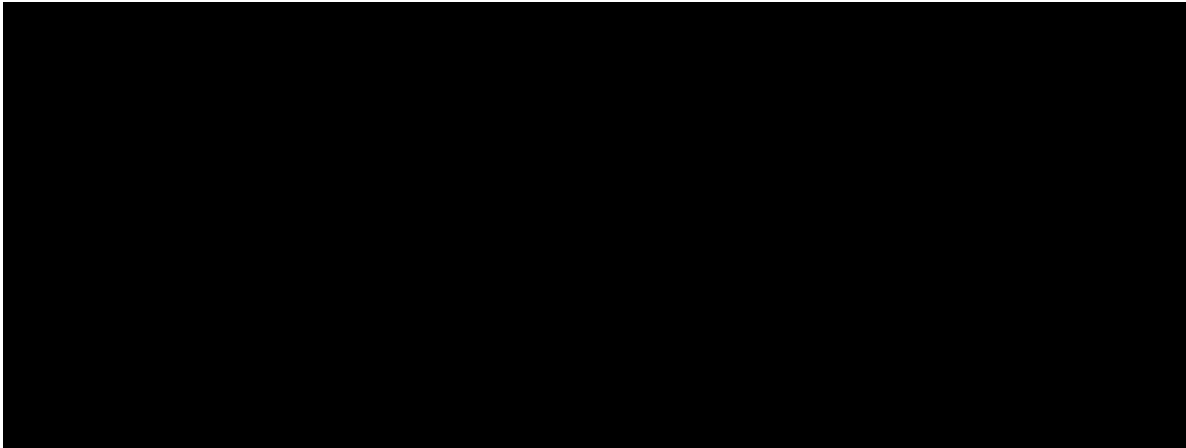
/ h_{FE} Classifications & Marking

See Marking Instructions.

/ Electrical Characteristic Curve

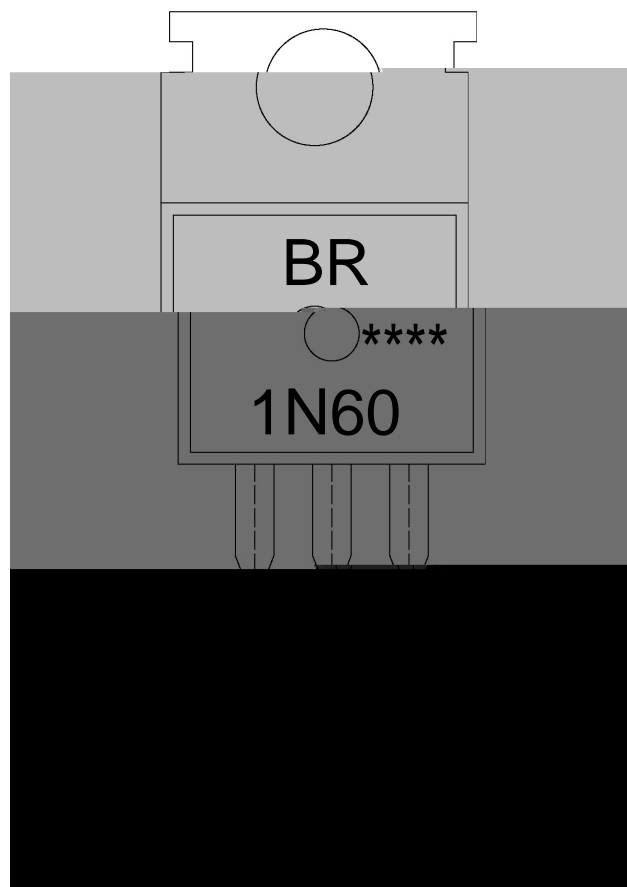


/ Package Dimensions



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
Δ	9.8	10.2	C	12	14
ρ	3.56		D	6.3	7
	15.7	16.1	B	9.0	9.4
	1.25	1.45			a_2

/ Marking Instructions



BR

1N60

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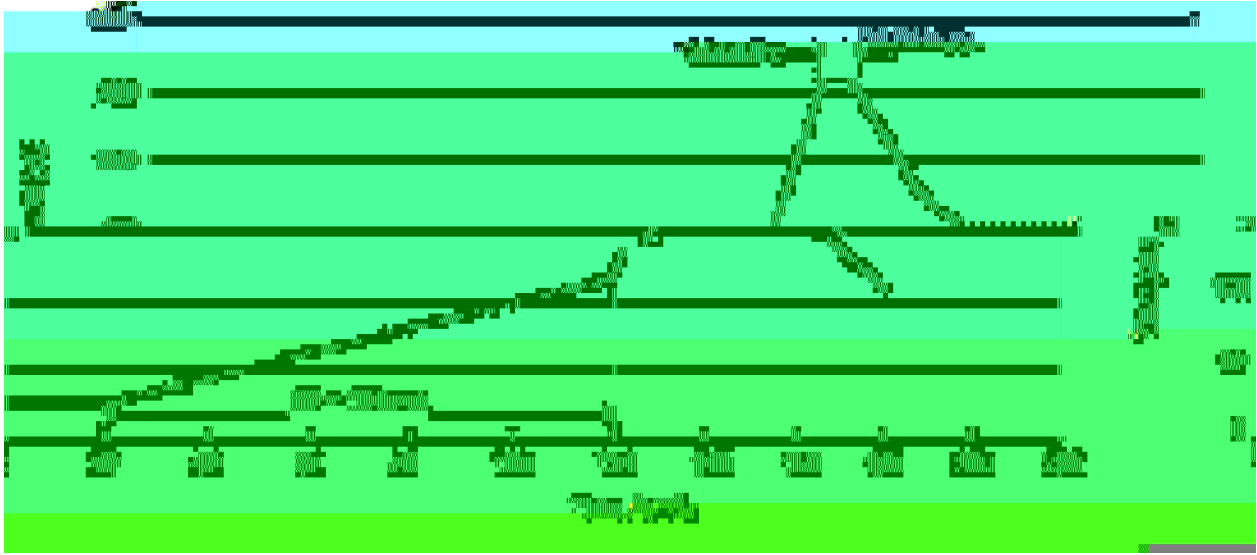
Note:

BR: Company Code

1N60: Product Type.

****: Lot No. Code, code change with Lot No.

() / Temperature Profile for Dip Soldering(Pb-Free)



1	25	150	60	90sec;	Note:
2	255..5		5..0.5sec;		1.Preheating:25~150 , Time:60~90sec.
3		2	10 /sec.		2.Peak Temp.:255..5 , Duration:5..0.5sec.
					3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

270..5 10..1 sec. Temp.:270±5