

/ Descriptions

MOS

N-Channel MOSFET in a SOP-8 Plastic Package.

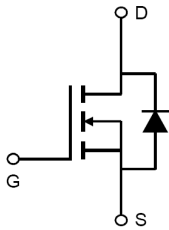
/ Features

Low $R_{DS(ON)}$, Low Gate Charge, Optimized for fast-switching, RoHS.

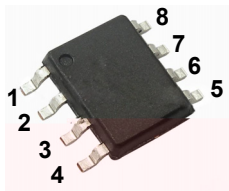
/ Applications

Synchronous Rectification in DC/DC and AC/DC Converters, Isolated DC/DC Converters in Telecom and Industrial.

/ Equivalent Circuit



/ Pinning



PIN1:S PIN 2:S PIN 3 S PIN 4 G
 PIN5 PIN 6 PIN 7 PIN 8:D

/ h_{FE} Classifications & Marking

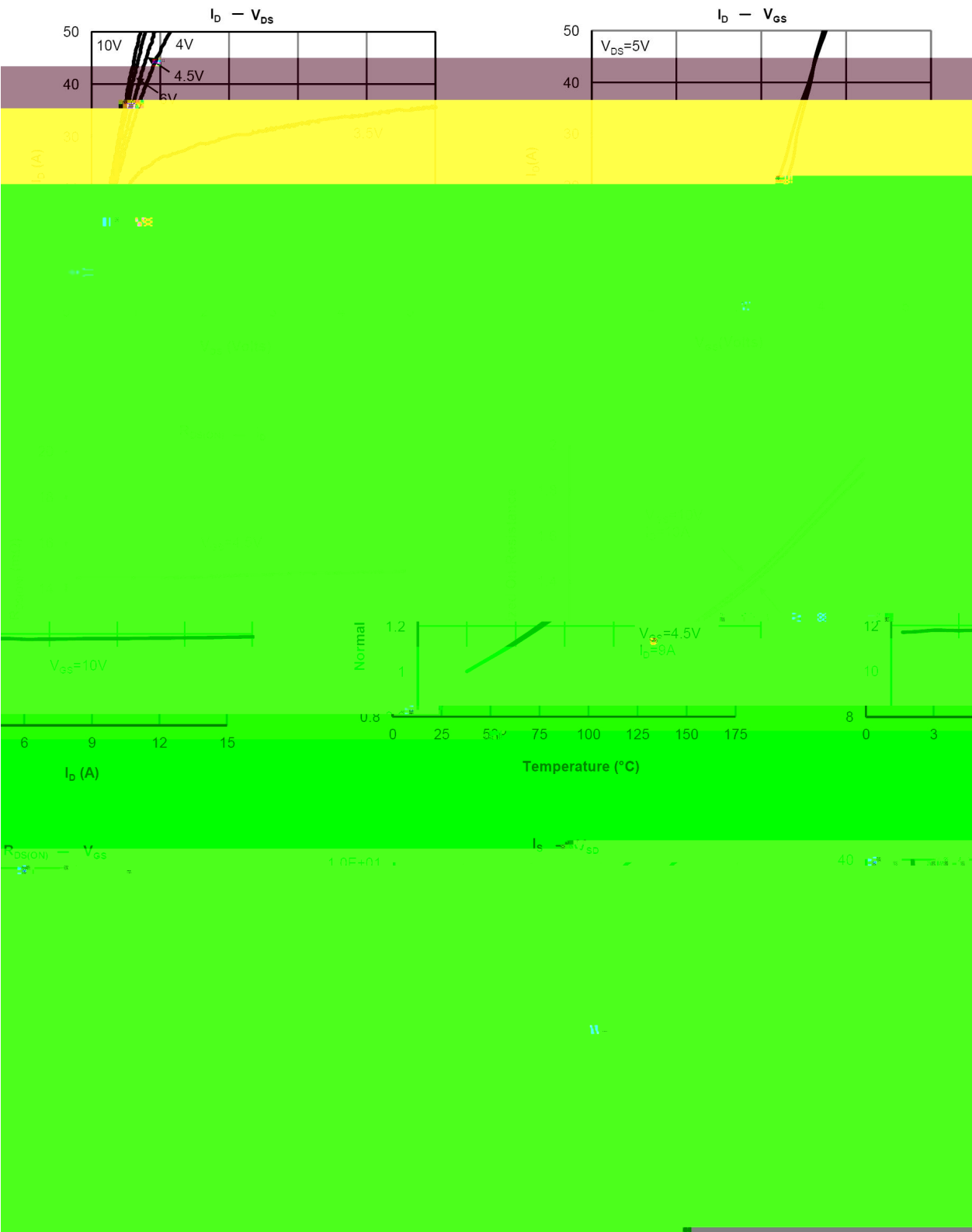
See Marking Instructions.

BRCS4266SC

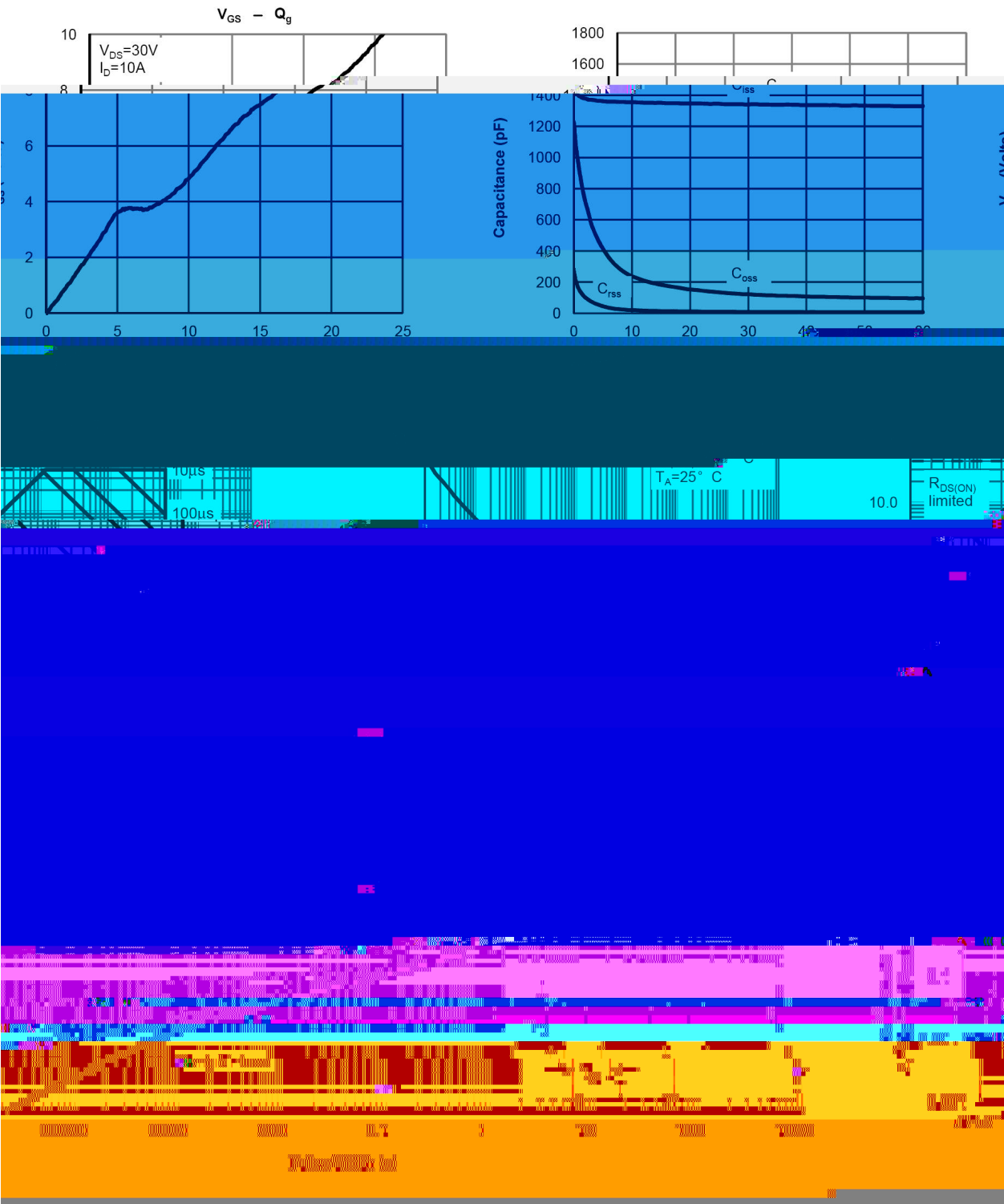
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Input Capacitance	C_{iss}	$V_{DS}=30V$ $V_{GS}=0V$ $f=1.0MHz$		1340		pF
Output Capacitance	C_{oss}			123		
Reverse Transfer Capacitance	C_{rss}			10		
Gate resistance	R_g	$f=1.0MHz$	0.7	1.5	2.3	
Total Gate Charge(10V)	Q_g	$V_{DD}=10V$ $I_D=10A$ $V_{DS}=30V$		21	30	nC
Total Gate Charge(4.5V)				9.0	15	
Gate-Source Charge	Q_{gs}			4.7		
Gate-Drain Charge	Q_{gd}			2.6		
Turn-On Delay Time	t					

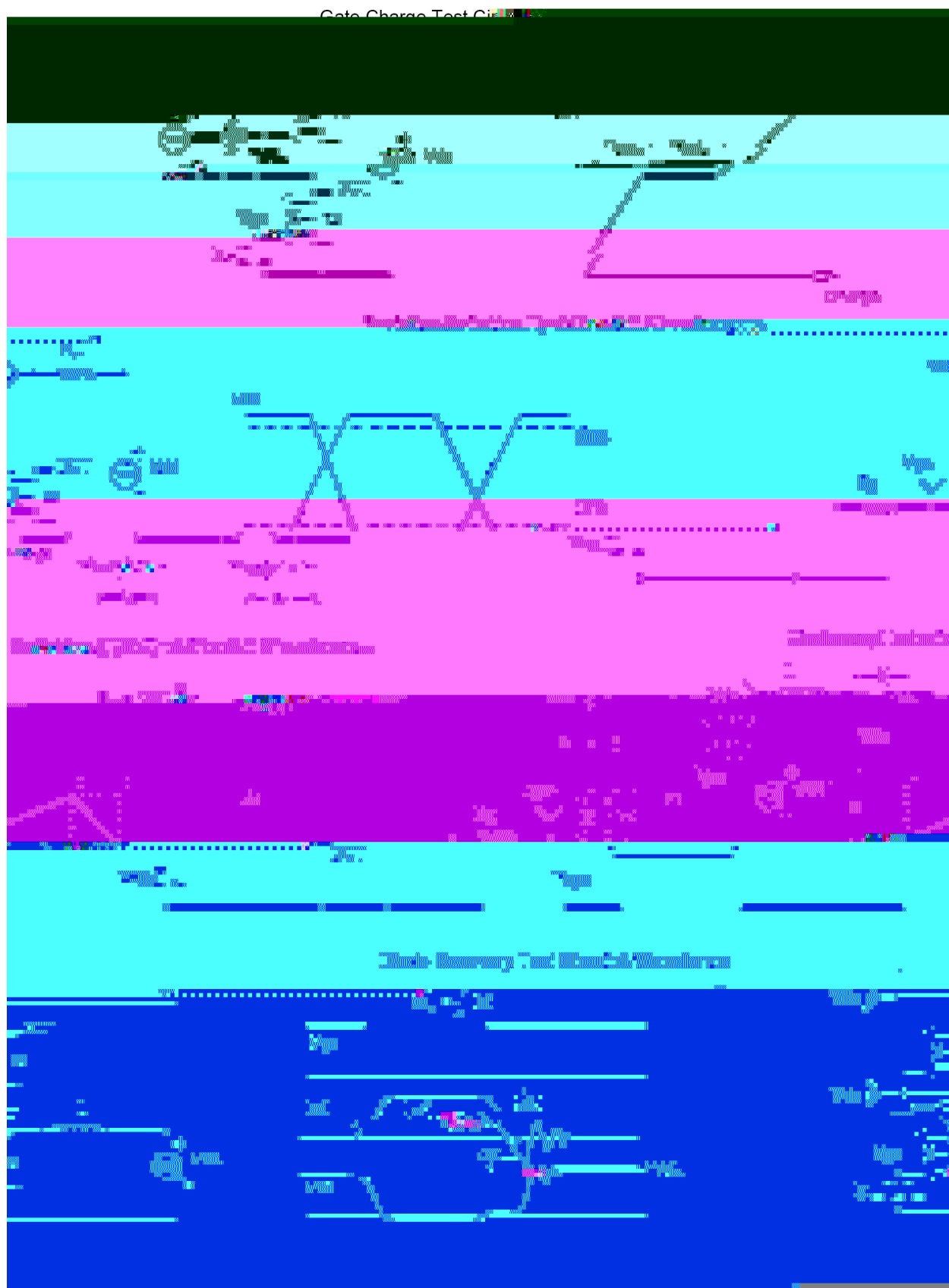
/ Electrical Characteristic Curve



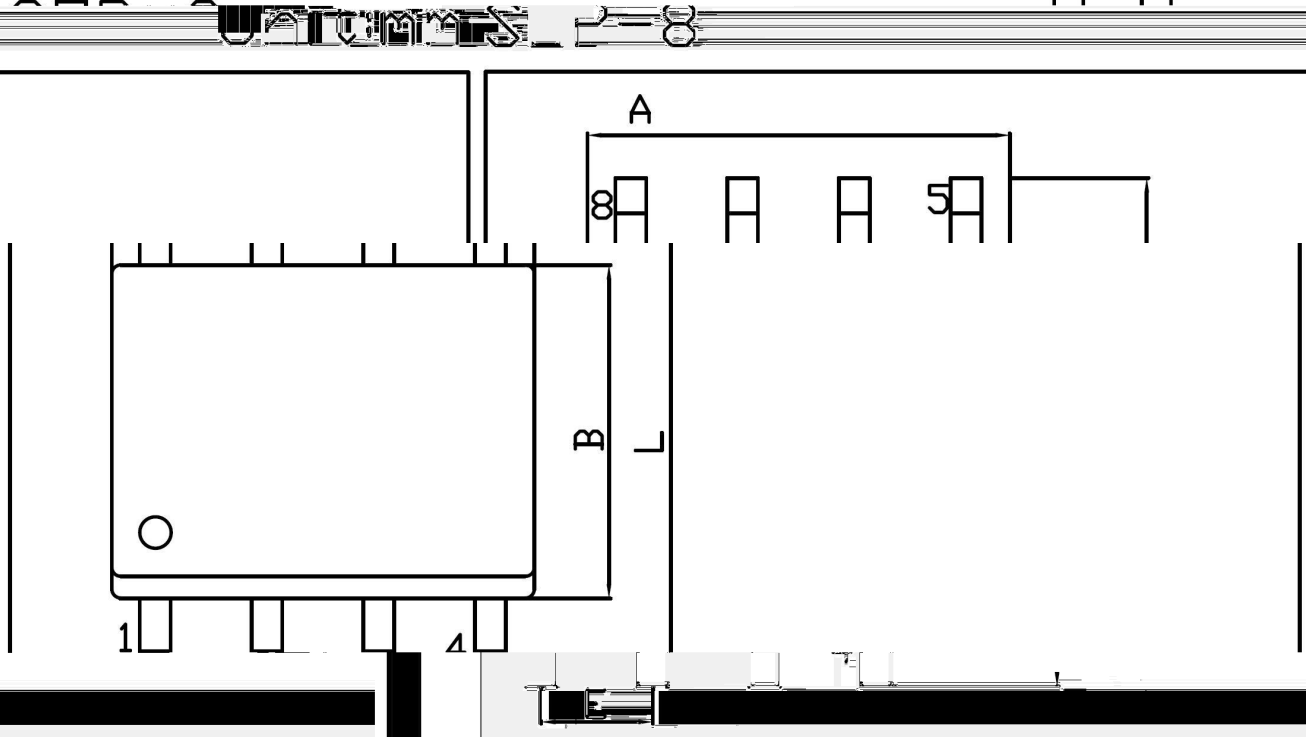
/ Electrical Characteristic Curve



/ Test Circuit & Waveform

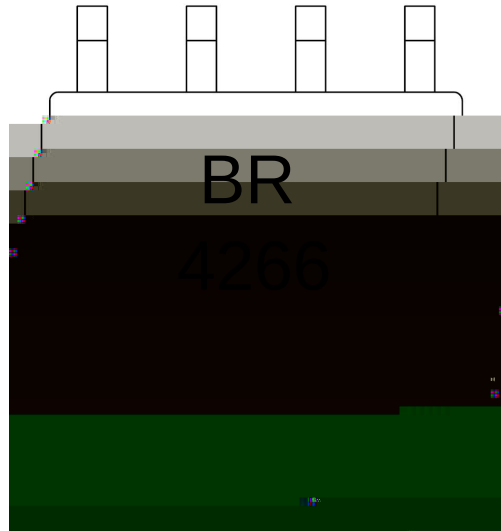


/ Package Dimensions



Dimensions In Millimeters			Dimensions In Millimeters		
Min.	Max.	Symbol	Min.	Max.	Symbol
4.72	5.16		4.05	4.75	
L	5.80	6.20	R	0.30	0.60
E	1.27BSC		P	0°	7°
W	2.12	2.77	H	0.40	1.25

/ Marking Instructions



BR

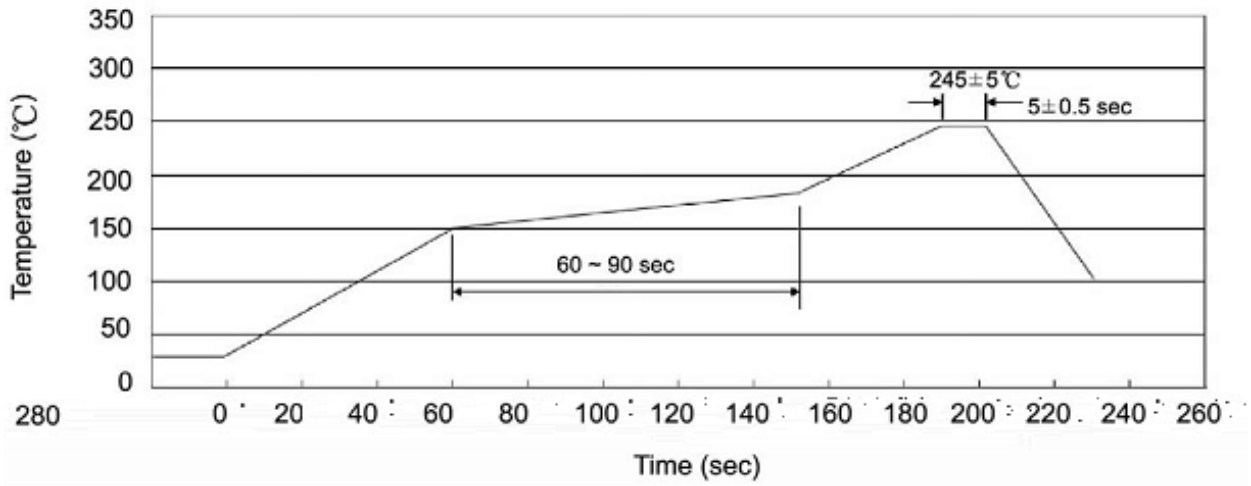
Note:

BR: Company Code.

4266 Product Type.

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

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Note:

- | | | | | | |
|---|-----|-----|----|----------|---|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245 | 5 | 5 | 0.5sec; | 2.Peak Temp.:245 5 , Duration:5 0.5sec. |
| 3 | | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |