22. Ḷ ضخ

TO-252 N MOS

N-Channel Enhancement Mode Field Effect Transistor in a TO-252 Plastic Package.

VDS (V) = 30V

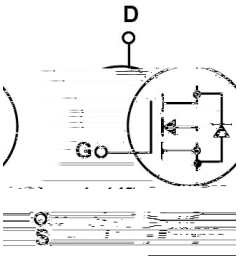
ID =67A (VGS = ±20V)

RDS(ON)@10V≤6mR

HF Product.

DC/DC ,

DC/DC Converters in Computing,Suitable for general purpose.



PIN1 G PIN 2 D PIN 3 S PIN 4 D

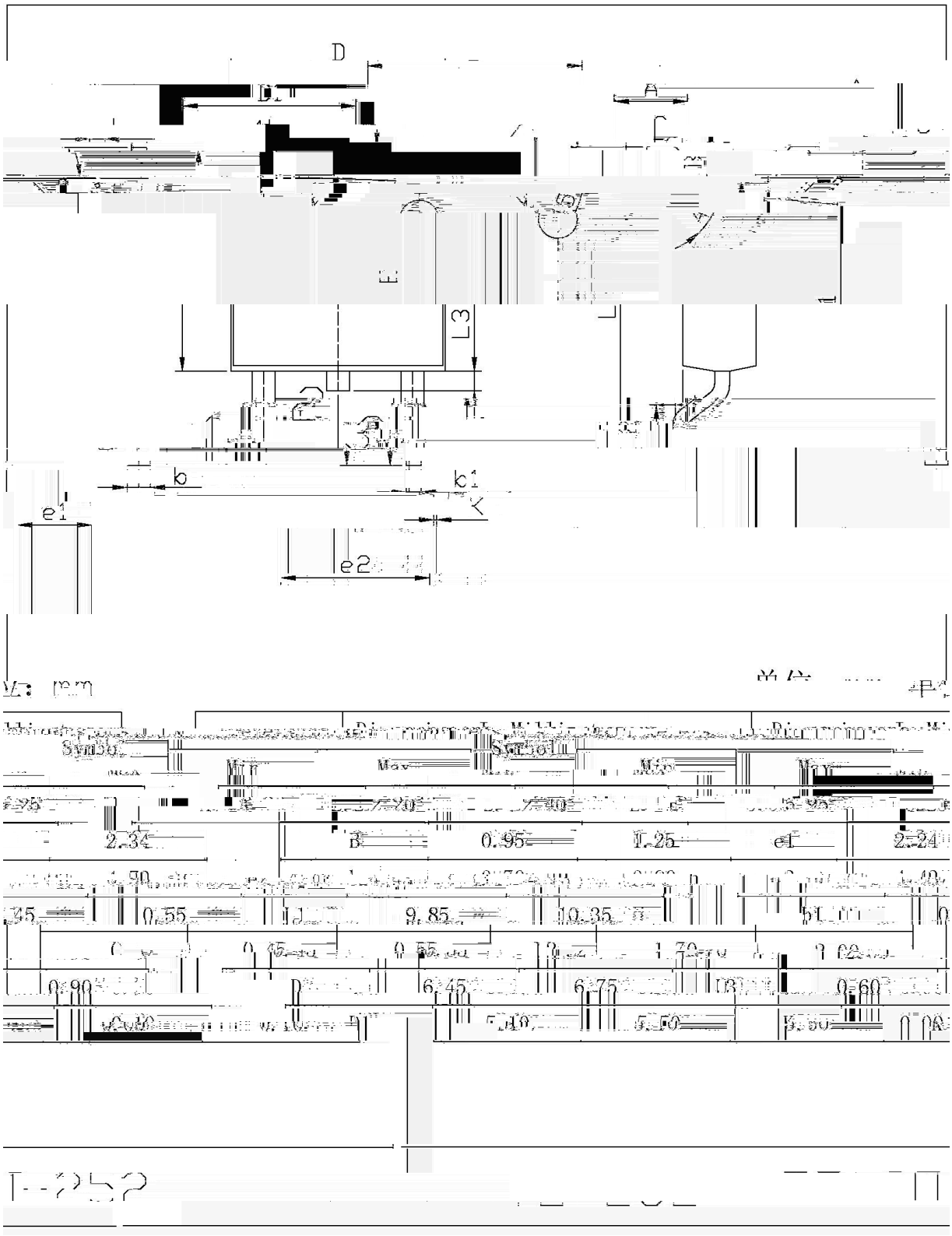
See Marking Instructions.

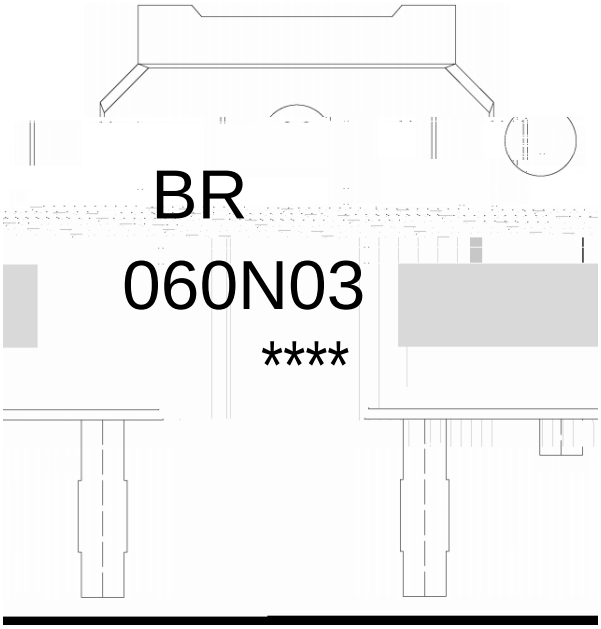
	Symbol	Rating	Unit
	V_{DSS}	30	V
	I_D(Tc=25℃)	67	A
	I_{DM}	140	A
	V_{GSS}	±20	V
L=0.5mH)	E_{AS}	185	mJ
	I_{AS}	21.5	A
	P_D(Tc=25℃)	45	W
re Range	T_J,T_{stg}	-55 to 150	℃
	$R_{\theta JA}$	20	℃/W
e		50	
e	$R_{\theta JC}$	2.8	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Case						

ara ± Unit

Tr 00.564 0 000.564 0 015.3415


D
L3
b
e1
e2
2.34
0.95
1.25
2.24
0.55
9.85
10.35
0.90
6.45
6.75
0.60



BR

060N03

****

Note:

BR:	Company Code
060N03:	Product Type Code
****:	Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)



				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.

260±5 10±1 sec. Temp.:260±5℃ Time:10±1 sec

/ REEL

Package Type	Units					Dimension		(unit mm^3)
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box	Outer Box
TO-252	2,500	2	5,000	6	30,000	13″ ×16	360×360×50	380×335×366

/ TUBE

Package Type	Units					Dimension		(unit mm^3)
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube	Inner Box	Outer Box
TO-251/252	75	28	[illegible]	5	18,000	526×20.5×5.25	555×164×50	575×290×180