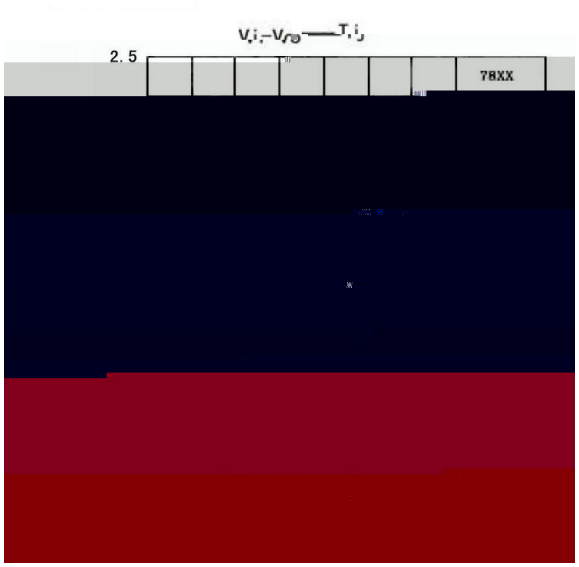
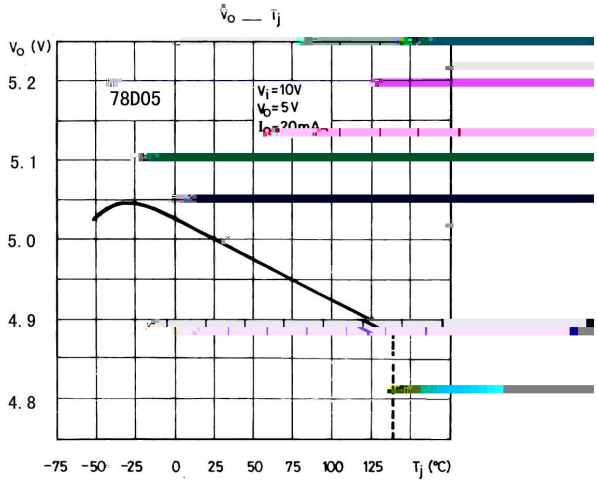
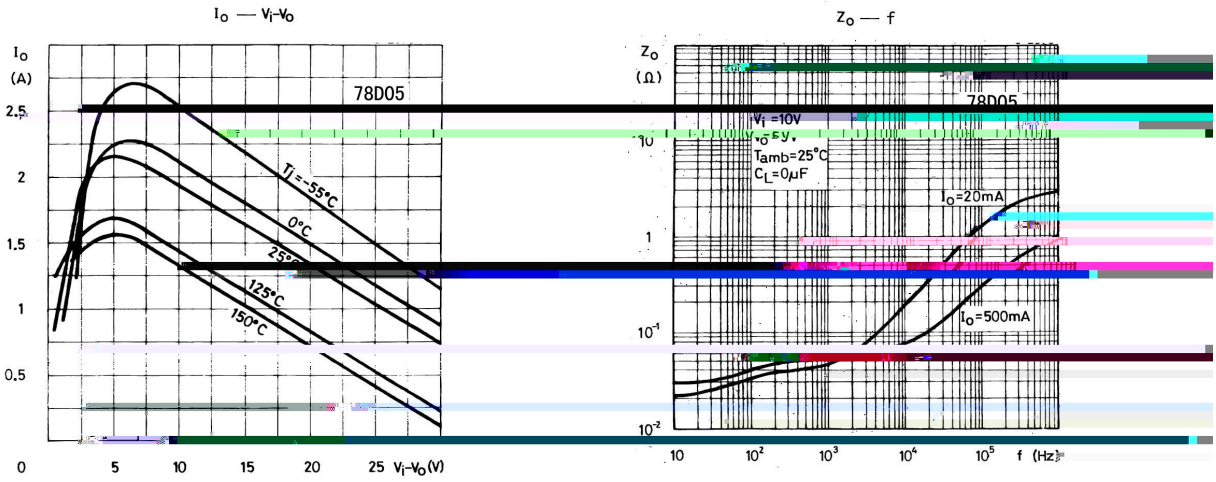
v ¨Ω Parameter	٩ N Symbol	¨Ω Ë Rating	D Ч Unit
Input voltage	V_I	35	V
Thernal Resistance Junction-Ambient	R_{dJA}	105	/W
Thernal Resistance Junction-Case	R_{dJC}	10	/W
Operating Junction Temperature Range	T_{OPR}	-40 125	
Storage temperature range	T_{stg}	-65 150	
Junction temperature range	T_J	150	

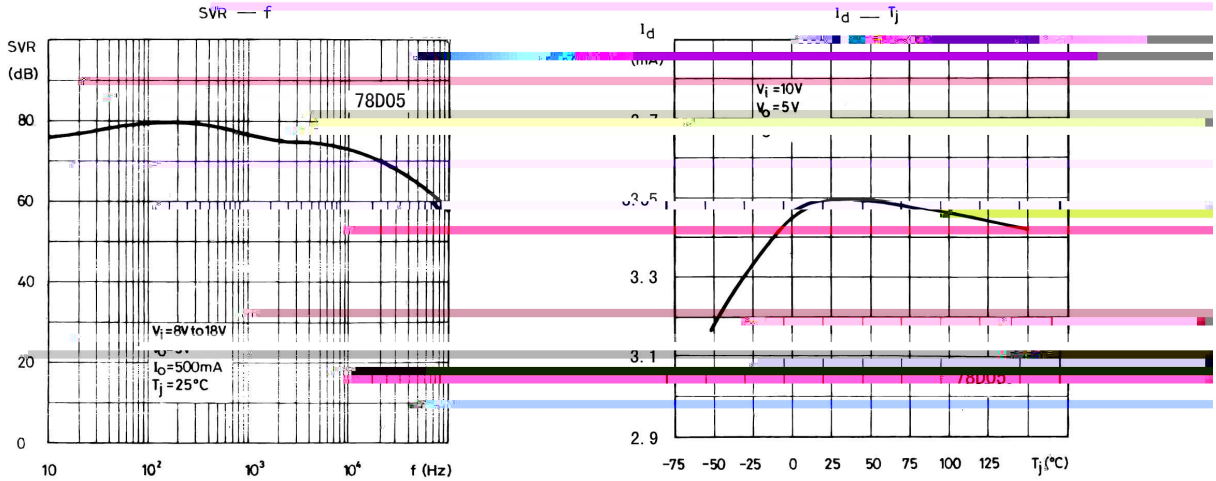
v ¨Ω Parameter	٩ N Symbol	‖ ;† ţ Test Conditions	ω ņ Ë Min	Ɛ ʒ Ë Typ	ω ² Ë Max	D Ч Unit
Output voltage	V_O	T_j=25	4.8	5.0	5.2	V
		V_i=7V-20V Io=5mA-1A PoÒ15W	4.75	5.0	5.25	V
Load Regulation	¸ Vo	T_j=25 Io=5mA-1.5A			100	mV
		T_j=25 Io=250mA-750mA			50	mV
Line regulation	¸ Vo	T_j=25 V_i=7V-25V		3.0	100	mV
		T_j=25 V_i=8V-12V		1.0	50	mV
Quiescent Current	Iq	T_j=25			8.0	mA
Quiescent Current Change	¸ Iq	V_i=7V-25V			0.8	mA
		Io=5mA-1A			0.5	mA
Output Voltage Drift	¸ Vo/¸ T	Io=5mA		-1.1		mV/
Output Noise Voltage	eN	B=10Hz-100KHz T_j=25			40	εV/Vo
Supply Voltage Rejection	SVR	V_i=8V-18V f=120Hz	62			dB
Dropout Voltage	Vd	Io=1A T_j=25		2.0		V
Output Resistance	Ro	f=1KHz		17		mq
Short Circuit Current	Isc	V_i=35V T_j=25		0.75		A
Short Circuit Peak Current	Iscp	ţT				

≠ Ǝ ˜Ą´E Ⅵ ƒ

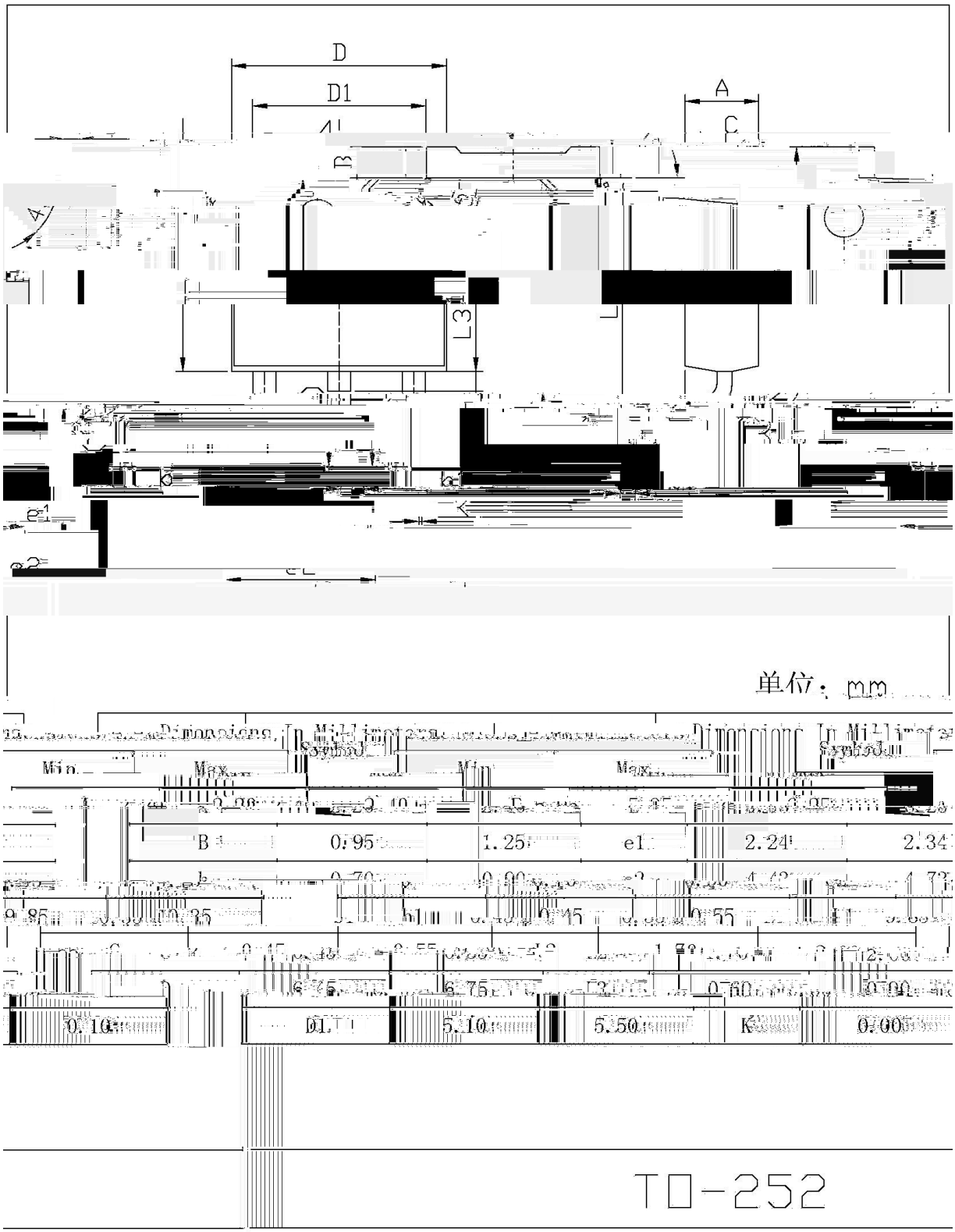

2.5
78XX


78D05
Vi=10V
Vo=5V
Io=20mA
Vo (V)
5.2
5.1
5.0
4.9
4.8
-75 -50 -25 0 25 50 75 100 125 Tj (°C)

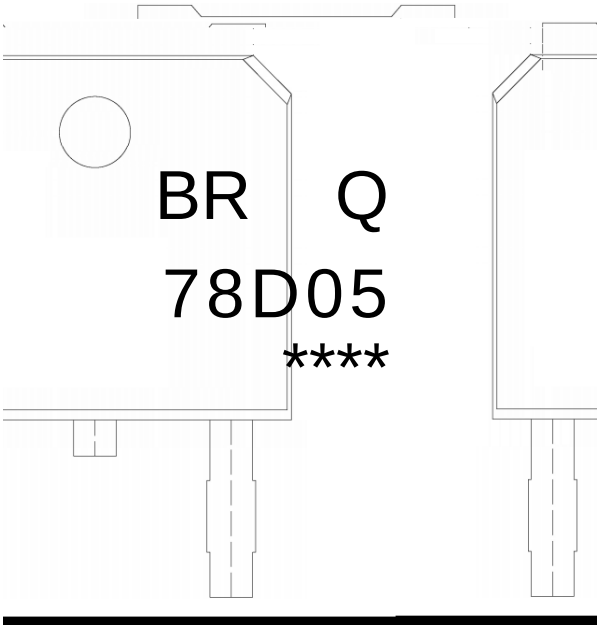

Io — Vi-Vo
78D05
Tj=-55°C
0°C
25°C
125°C
150°C
Io (A)
2.5
2
1.5
1
0.5
0 5 10 15 20 25 Vi-Vo(V)
Zo — f
78D05
Vi=10V
Tamb=25°C
CL=0μF
Io=20mA
Io=500mA
Zo (Ω)
10
1
10-1
10-2
10 10² 10³ 10⁴ 10⁵ f (Hz)


SVR — f
78D05
Vi=8V to 18V
Io=500mA
Tj=25°C
SVR (dB)
80
60
40
20
0
10 10² 10³ 10⁴ f (Hz)
Id — Tj
78D05
Vi=10V
Vo=5V
3.3
3.1
2.9
-75 -50 -25 0 25 50 75 100 125 Tj(°C)

ᵘ Ė Ò Ļ ʃ


D
D1
A
C
B
L3
e1
e2
单位：mm
Dimensions In Millimeters
Symbol
Min.
Max.
B
0.95
1.25
e1
2.24
2.34
0.10
D1
5.10
5.50
K
0.00
TO-252

ł. ը ̈Ω



◌̇ ̋ χ	
EU χ	ʜ ʒ ᴎ Ր
Q χ	ʜ ∩ ɕ ḭ ɾ β ‰ ∛
: ; G38 χ	ʜ ɾ β ʒ ᴺ
---- χ	ʜ ɨ ɾ ŉ ᴺ Ր ɪ ɕ ɨ ɾ ŉ ᴺ Ψ ק

Note:

BR:	Company Code
Q:	Automobile halogen-free product Code
78D05:	Product Type
****:	Lot No. Code, code change with Lot No

₩ʃ ╕ẘ´Eㅓƒ ⱳ⨀ Wkpshudwxuh Suriloh iru LU Uhiorz Vrog

ب ˝ χ

1 Ĺ♬ □ ỷ 150Ḱ200ｈ ı `H ڑ 60Ḱ120sec;

2 Šϴ □ ỷ 255°5ｈ ı `H ڑ `Y ㅅ ㎛ 5°0.5sec;

3 ì ˙ ㅓ¸ ɔ ෯ ỷ ㎛ 2Ḱ10ｈ/sec.

Note:

1.Preheating:150~200ｈ, Time:60~120sec.

2.Peak Temp.:255°5ｈ, Duration:5°0.5sec.

3. Cooling Speed: 2~10ｈ/sec.

ㅓ Ü ˆ ˌ `Y Ţ

□ ỷ χ 260°5ｈ `H ڑ χ 10°1 sec. Temp.:260±5？