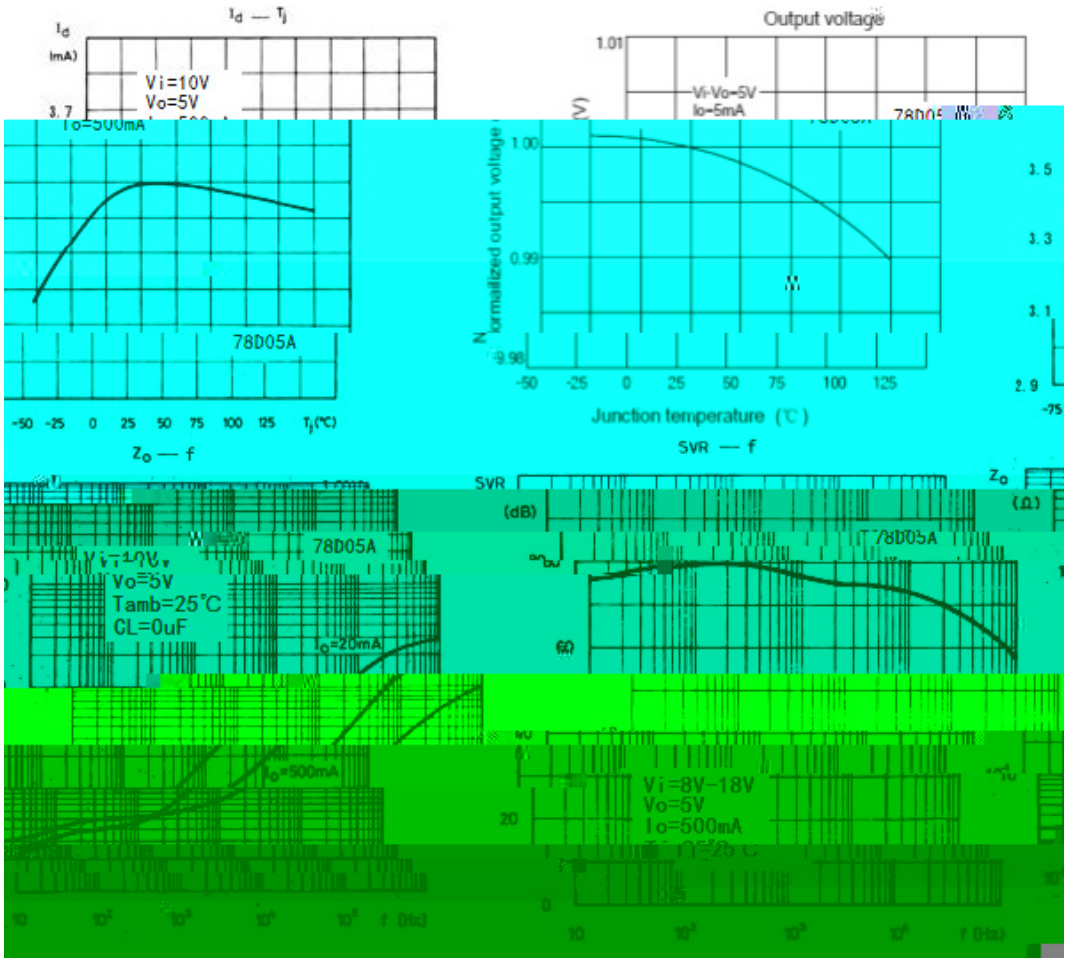
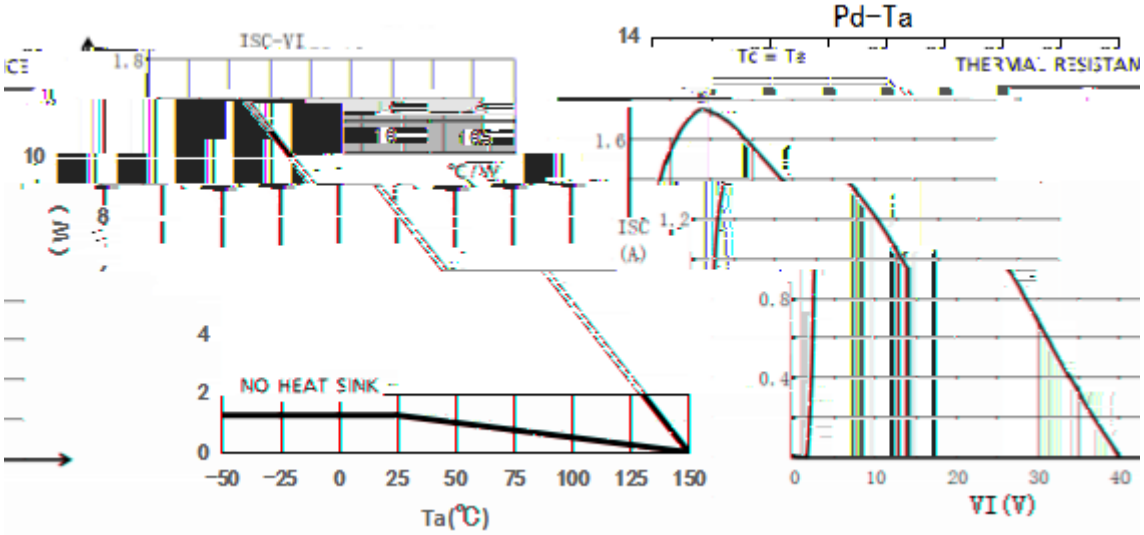
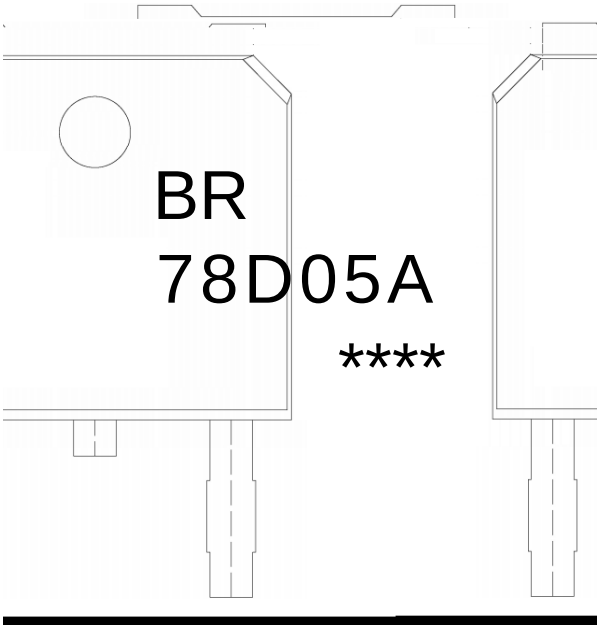
Rev.E Jun.-2024

Parameter	Symbol	Rating	Unit
Input voltage	V_I	7~35	V
Power Dissipation	P_D	Internally Limited	W
Thernal Resistance Junction-Ambient	$R_{\theta JA}$	105	/W
Thernal Resistance Junction-Case	$R_{\theta JC}$	10	/W
Operating Temperature Range	T_{OPR}	-40 125	
Storage temperature range	T_{stg}	-65 150	

Parameter Symbol Test Conditions Min


Id — Tj
Vi=10V
Vo=5V
Output voltage
Vi-Vo=5V
Io=5mA
78D05A
Zo — f
Junction temperature (℃)
SVR — f
Vi=10V
Vo=5V
Tamb=25℃
CL=0uF
Io=20mA
Io=500mA
Vi=8V-18V
Vo=5V
Io=500mA


ISC-VI
Pd-Ta
NO HEAT SINK
Ta(℃)
VI(V)



BR

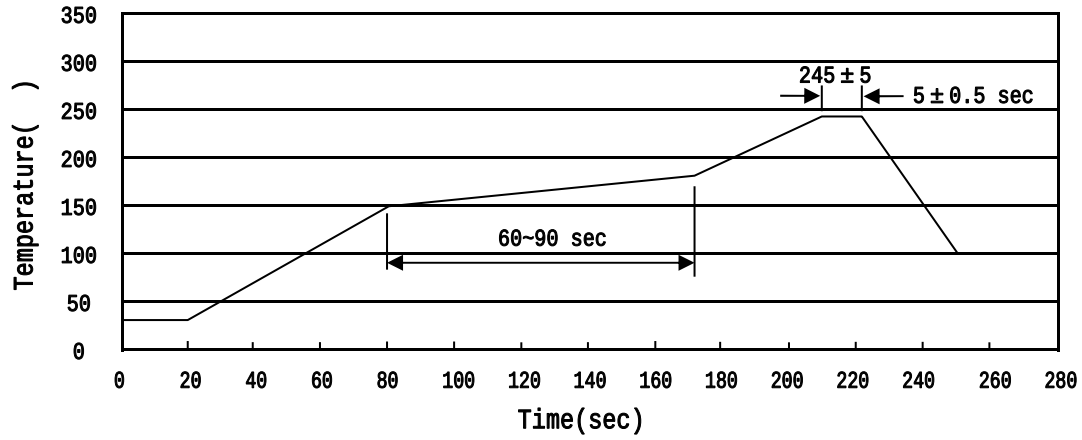
78D05A

****

Note:

BR:	Company Code
78D05A:	Product Type
****:	Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

1 150 180 60 90sec;

2 245±5 5±0.5sec;

3 2 10 /sec.

1.Preheating:150~180 , Time:60~90sec.

2.Peak Temp.:245±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

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

/ REEL

Package Type	Units					Dimension		(unit：mm³)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	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：mm³)
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-251/252	75	48	3,600	5	18,000	526×20.5×5.25	555×164×50	575×290×180

PCB