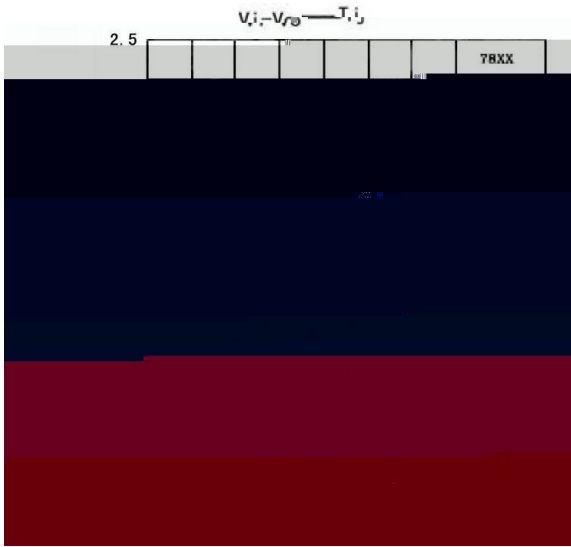
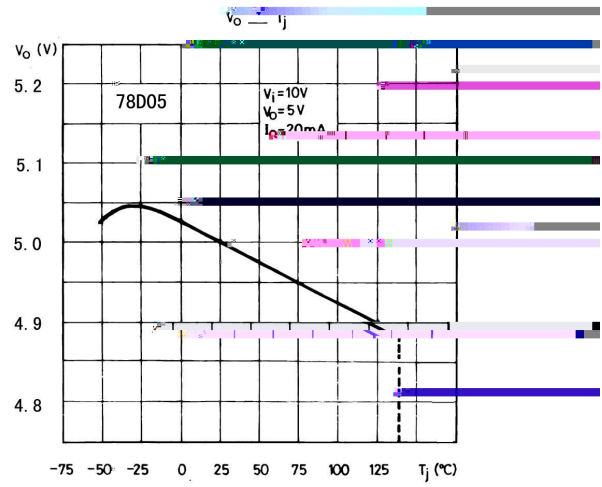
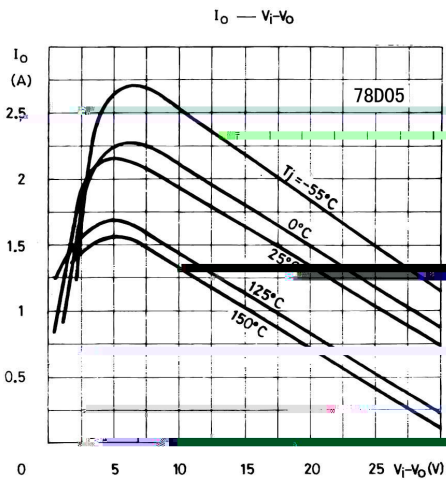
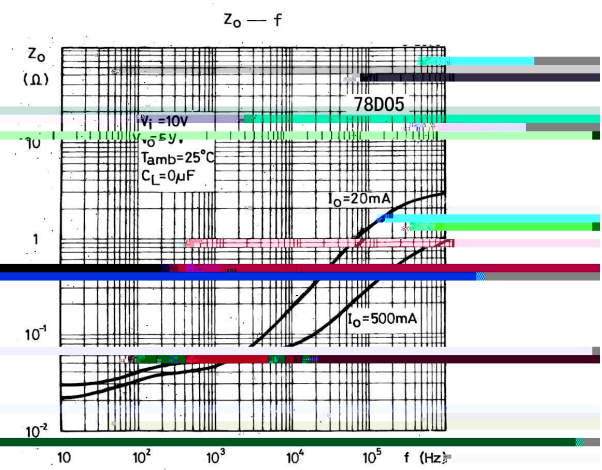
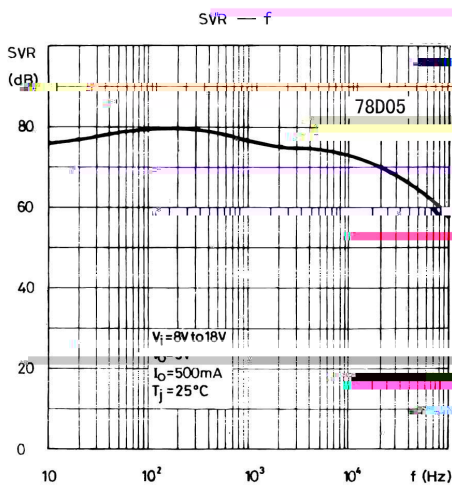
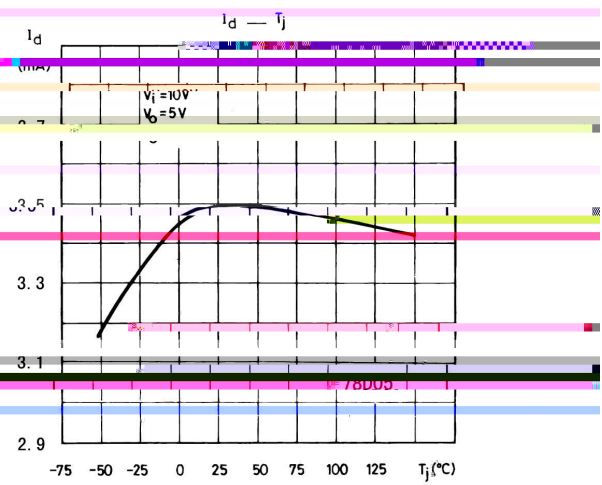


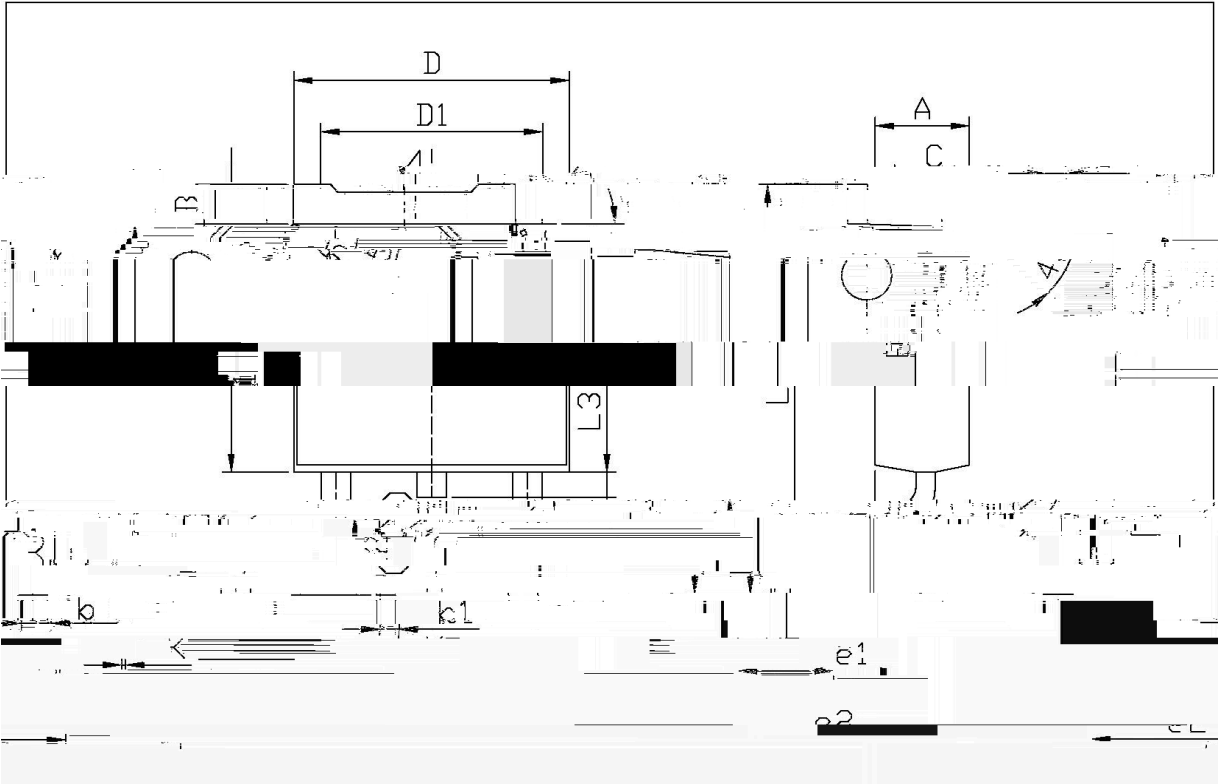
Parameter	Symbol	Rating	Unit
Input voltage	V_I	35	V
Thermal Resistance Junction-Ambient	R_{dJA}	105	/W
Thermal Resistance Junction-Case	R_{dJC}	10	/W
Operating Junction Temperature Range	T_{OPR}	-40 ~ 125	
Storage temperature range	T_{stg}	-65 ~ 150	
Junction temperature range	T_J	150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	$T_J=25$	4.8	5.0	5.2	V
		$V_I=7V-20V$ $I_O=5mA-1A$ $P_O \leq 15W$	4.75	5.0	5.25	V
Load Regulation	ΔV_O	$T_J=25$ $I_O=5mA-1.5A$			100	mV
		$T_J=25$ $I_O=250mA-750mA$			50	mV
Line regulation	ΔV_O	$T_J=25$ $V_I=7V-25V$		3.0	100	mV
		$T_J=25$ $V_I=8V-12V$		1.0	50	mV
Quiescent Current	I_q	$T_J=25$			8.0	mA
Quiescent Current Change	ΔI_q	$V_I=7V-25V$			0.8	mA
		$I_O=5mA-1A$			0.5	mA
Output Voltage Drift	$\Delta V_O / T$	$I_O=5mA$		-1.1		mV/
Output Noise Voltage	eN	B=10Hz-100KHz $T_J=25$			40	$\mu V/V_O$
Supply Voltage Rejection	SVR	$V_I=8V-18V$ $f=120Hz$	62			dB
Dropout Voltage	V_d	$I_O=1A$ $T_J=25$		2.0		V
Output Resistance	R_O	$f=1KHz$		17		m Ω
Short Circuit Current	I_{sc}	$V_I=35V$ $T_J=25$		0.75		A
Short Circuit Peak Current	I_{scp}	T				

$\approx \exists \tilde{A} \in \mathcal{M} \quad / \quad \text{Electrical Characteristic Curve}$



⌘ É Ò Ì f / Package Dimensions

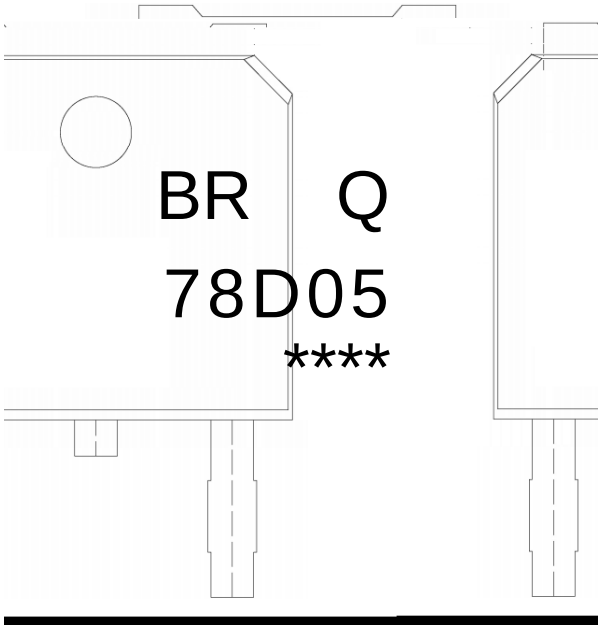


单位：mm

Dimensions, Millimeters			Dimensions, In Millimeters		
Symbol	Min	Max	Symbol	Min	Max
B	0.95	1.25	e1	2.24	2.34
b	0.70	0.90	e2	4.73	4.79
L3	0.45	0.55	k1	0.95	1.25
D	6.00	6.10	D1	5.10	5.50
D1	5.10	5.50	K2	0.45	0.55

T0-252

Marking Instructions



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

Whpshudwxuh Suriloh iru LU Uhiorz Vrog

- ب " χ
- Note:
- 1 150 200 60 120sec;

1.Preheating:150~200 , Time:60~120sec.
- 2 255 ° 5 5 ° 0.5sec;

2.Peak Temp.:255 ° 5 , Duration:5 ° 0.5sec.
- 3 2 10 /sec.

3. Cooling Speed: 2~10 /sec.

Resistance to Soldering Heat Test Conditions

χ 260 ° 5 10 ° 1 sec. Temp.:260±5 ?