

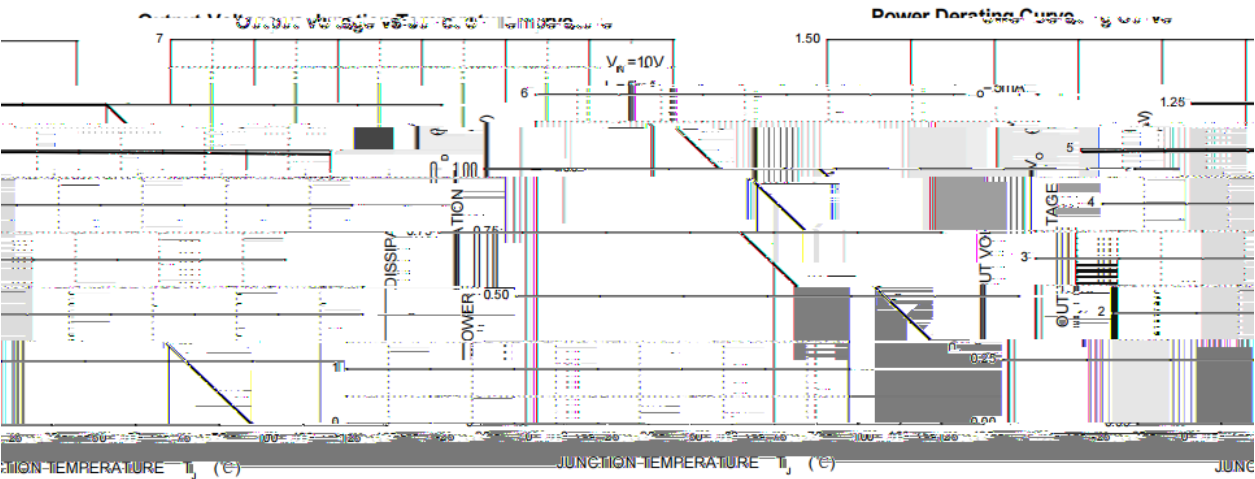
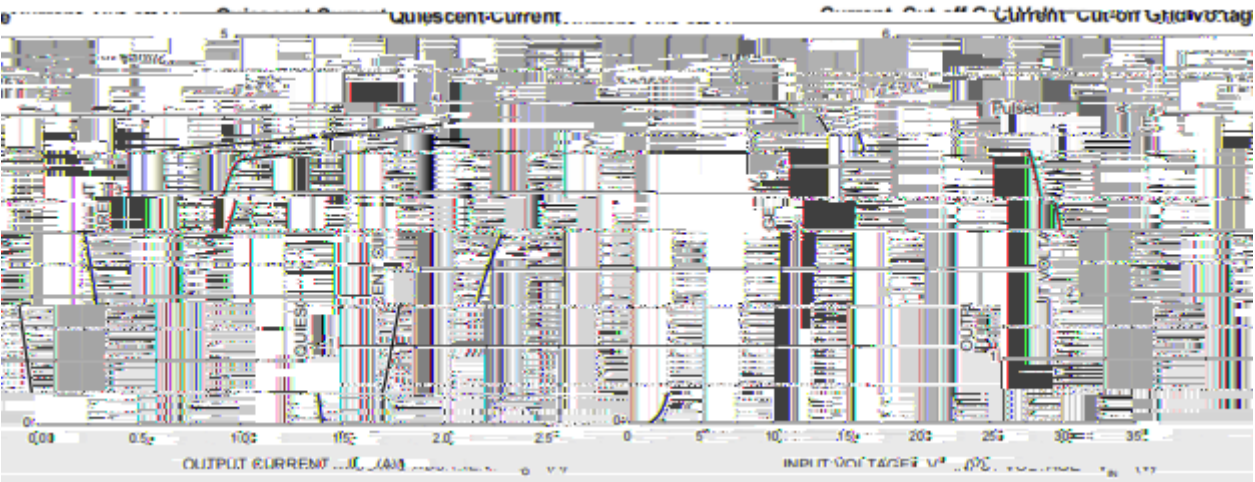
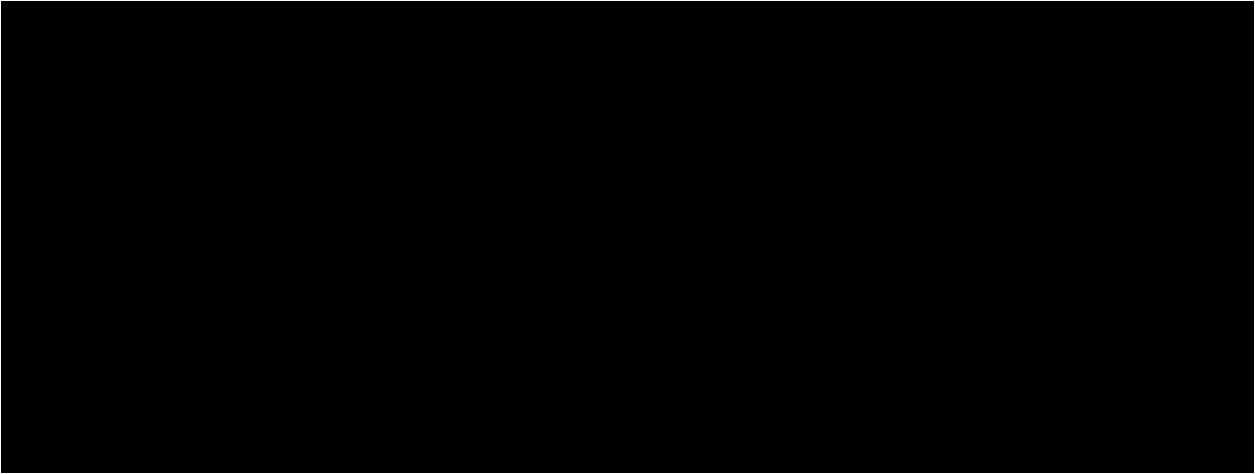
/ Absolute Maximum Ratings(Ta=25)

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

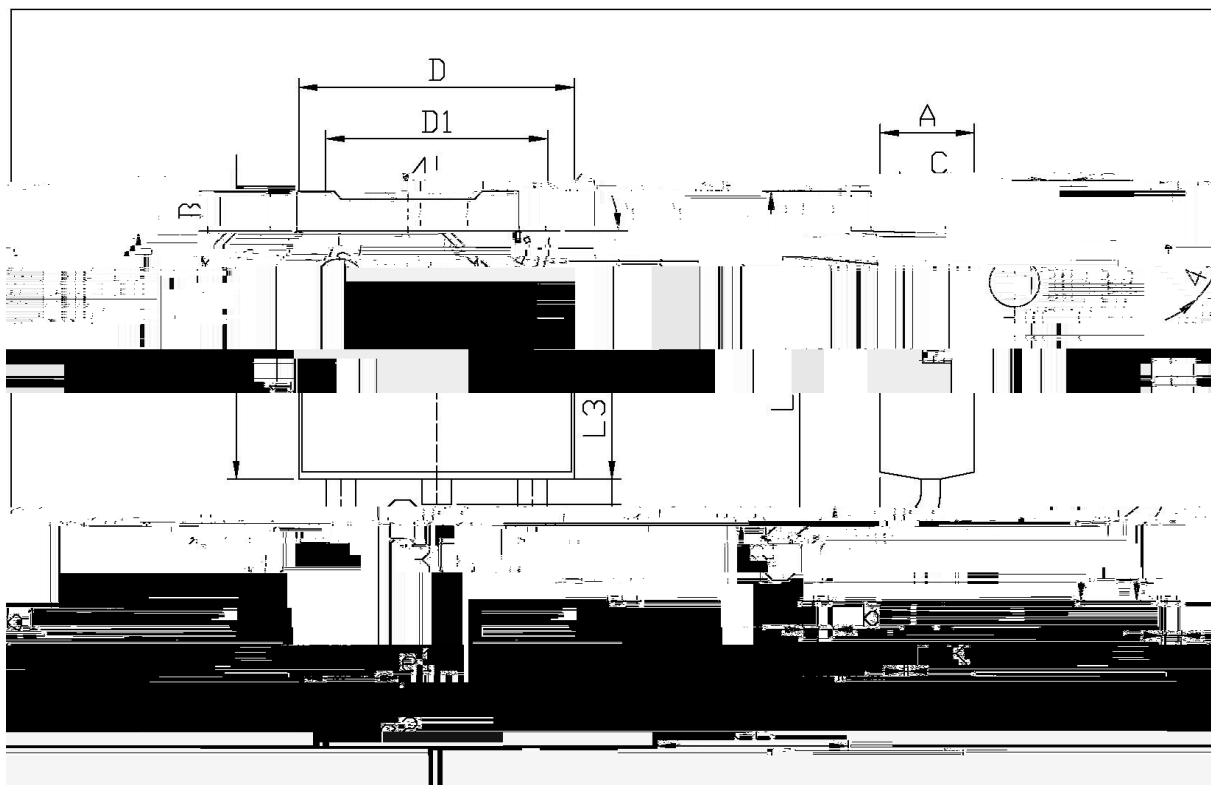
/ Electrical Characteristics($V_i=10V, I_o=350mA, T_j=0 \sim 125$,unless otherwise specified

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output Voltage	V_o	$T_j=25$	4.8	5.0	5.2	V
		$V_i=7V \sim 20V$ $I_o=5mA \sim 350mA$	4.75	5.0	5.25	V
Load Regulation	V_{Load}	$T_j=25$ $I_o=5mA \sim 500mA$			100	mV
		$T_j=25$ $I_o=5mA \sim 200mA$			50	mV
Line Regulation	V_{Line}	$T_j=25$ $V_i=7V \sim 25V$			100	mV
		$T_j=25$ $V_i=8V \sim 25V$			50	mV
Quiescent Current	I_q	$T_j=25$			6.0	mA
Quiescent Current Change	I_q	$V_i=8V \sim 25V$			0.8	mA
		$I_o=5mA \sim 350mA$			0.5	mA
Output Voltage Drift	V_o/ T	$I_o=5mA$ $T_j=0 \sim 125$		0.5		mV/
Output Noise Voltage	eN	B=10Hz~100KHz $T_j=25$		40		$\mu V/V_o$
Supply Voltage Rejection	SVR	$V_i=8V \sim 18V$ $f=120Hz$	62			dB
Dropout Voltage	V_d	$T_j=25$		2.0		V
Short Circuit Current	Isc	$T_j=25$		700		mA

/ Electrical Characteristic Curve



/ Package Dimensions

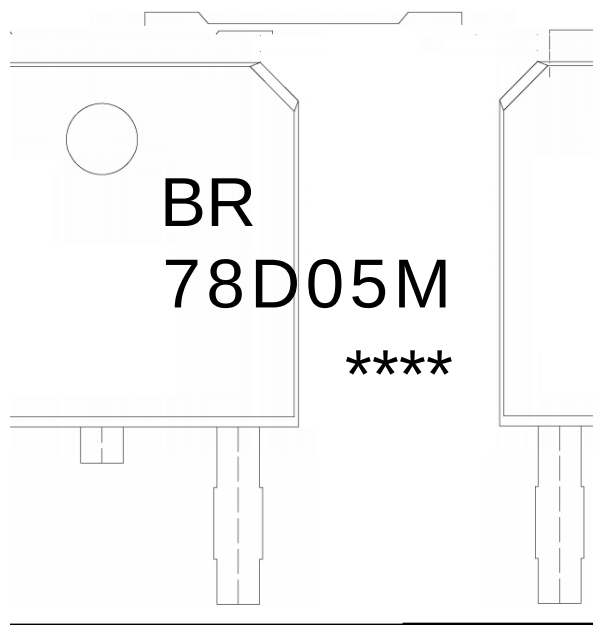


单位: mm

Inches		Millimeters		Inches		Millimeters	
Min	Max	Min	Max	Min	Max	Min	Max
2.34	7.73	0.95	0.70	1.25	0.90	e1	2.24
0.45	0.45	0.55	0.55	0.95	0.95	0.45	0.45
0.10	0.10	5.10	5.10	5.50	5.50	0.00	0.00

TD-252

/ Marking Instructions



EU

: ; G38 P

Note:

BR: Company Code

78D05M: Product Type

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

/ Notices

PCB