TO-220 Voltage Regulator in a TO-220 Plastic Package.

1.0A,

3-Terminal regulators ,output current up to 1.0A, internal thermal overload protection and short-circuit limiting.

Voltage Regulator.

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Symbol	Rating	Unit	
Input voltage	V_I	17.5~35	V
Power Dissipation	P_D	Internally Limited	W
Thermal Resistance Junction-ambient	$R_{\theta JA}$	65	/W
Thermal Resistance Junction-case	$R_{\theta JC}$	5.0	/W
Operating Temperature Range	T_{OPR}	-40 125	
Storage temperature range	T_{stg}	-65 150	

Typ Unit
Ω

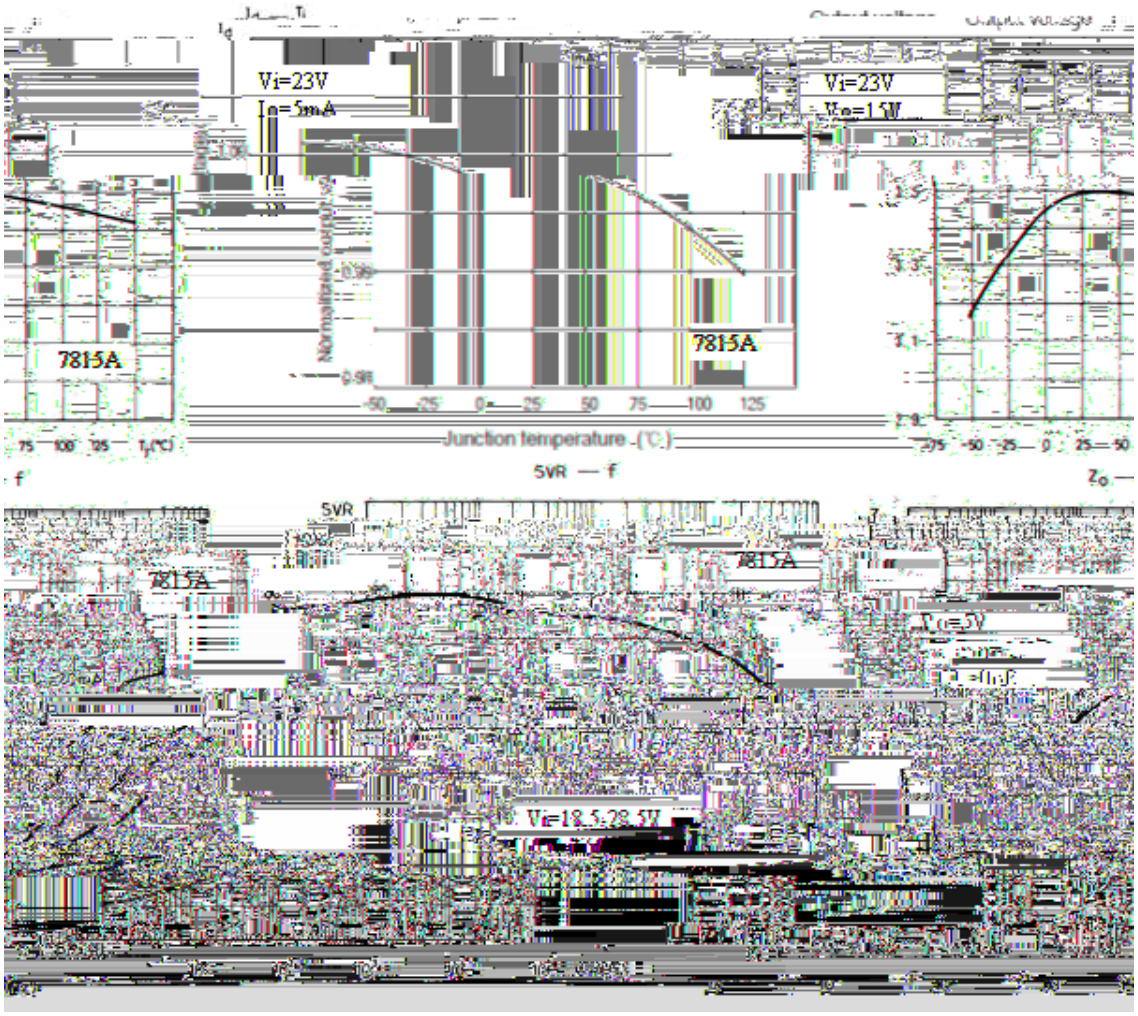
Test Conditions

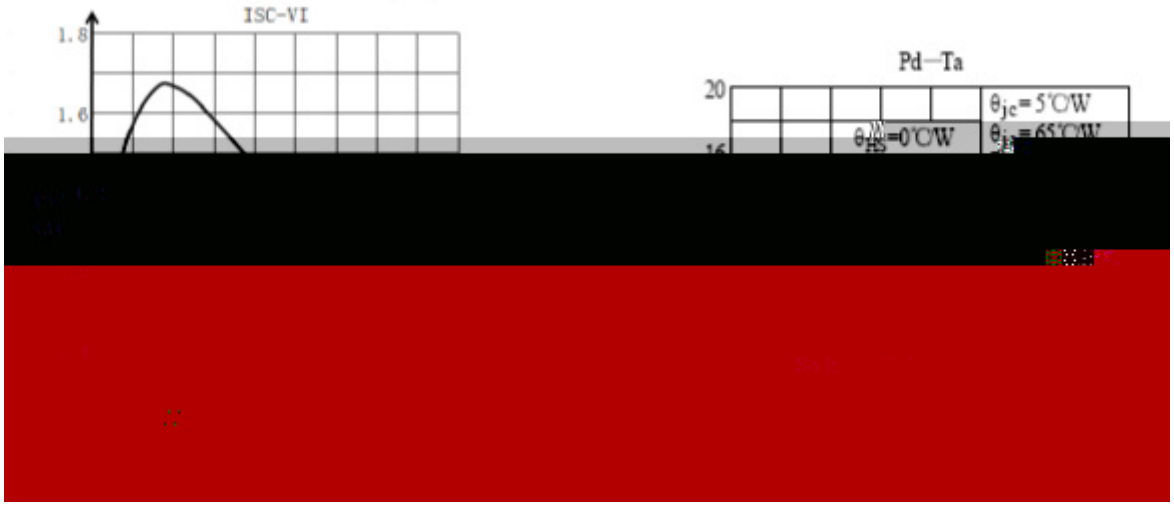
T

15.7

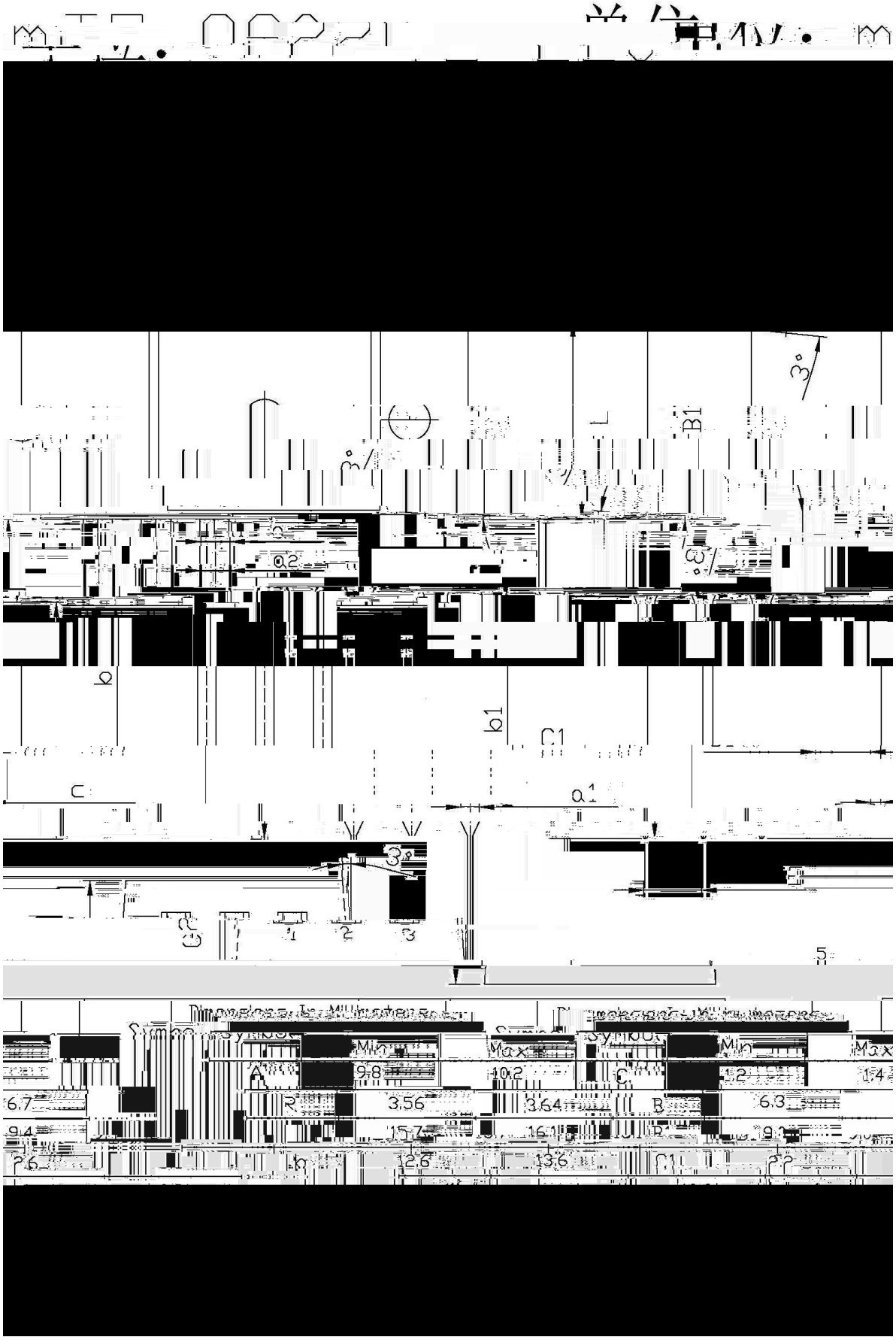
Symbol						
Output Voltage	V	T_j=25	14.4	15	15.6	V
B=10Hz~100KHz		V_i=17.5V~30V Io=5mA~1.0A P $_D$≤14.25	15			
Load Regulation	V_{Load}	T_j=25 Io=5mA~1.0A			250	mV
Io=1.0A p		T_j=25 Io=250mA~750mA			125	mV
mV 250 Line Regulation	V_{Line}	T_j=25 Vi=17.5V~30V				
		T_j=25 Vi=20V~26V			125	mV
Quiescent Current	Iq	$_j$=25			8.0	mA
Quiescent Current Change	Iq	V_i=17.5V~30V			1.0	mA
		Io=5mA~1.0A			0.5	mA
Output Voltage Drift	Vo/ T	Io=5mA T_j=0~125	mV/	-1.0		
Output Noise Voltage	eN	$_j$=25	10			μV/Vo
Supply Voltage Rejection	SVR	V_i= 18.5V~28.5V 54		dB		
Dropout Voltage	Vd	$_j$=25		2.0		V
Output Resistance	Ro	f=1KHz		19		m

/ Electrical Characteristic Curve

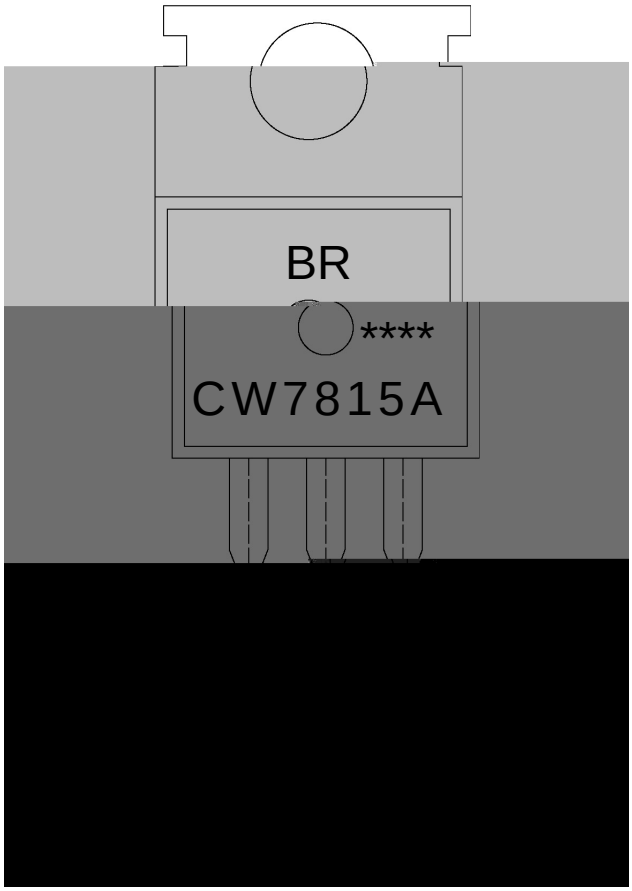




/ Package Dimensions



/ Marking Instructions



BR

CW7815A

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Note:

BR:	Company Code
CW7815A:	Product Type Code
****:	Lot No. Code, code change with Lot No

/ Notices

PCB