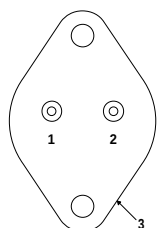
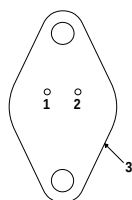


1 AMP POSITIVE VOLTAGE REGULATOR



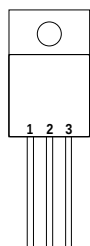
Pin 1 – V_{IN}
Pin 2 – V_{OUT}
Case – Ground

K Package – TO-3



Pin 1 – V_{IN}
Pin 2 – V_{OUT}
Case – Ground

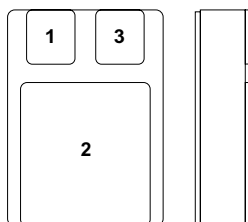
R Package – TO-66



Pin 1 – V_{IN}
Pin 2 – Ground
Pin 3 – V_{OUT}
Case – Ground*

G Package – TO-257
IG Package– TO-257*

* isolated Case on IG package



Pin 1 – V_{IN}
Pin 2 – Ground
Pin 3 – V_{OUT}

SMD 1 PACKAGE
Ceramic Surface Mount

FEATURES

- OUTPUT CURRENT UP TO 1.0A
- OUTPUT VOLTAGES OF 5, 12, 15V
- 0.01% / V LINE REGULATION
- 0.3% / A LOAD REGULATION
- THERMAL OVERLOAD PROTECTION
- SHORT CIRCUIT PROTECTION
- OUTPUT TRANSISTOR SOA PROTECTION
- 1% VOLTAGE TOLERANCE (–A VERSIONS)

DESCRIPTION

The IP140A / LM140 / IP7800A / IP7800 series of 3 terminal regulators is available with several fixed output voltage making them useful in a wide range of applications.

The A suffix devices are fully specified at 1A, provide 0.01% / V line regulation, 0.3% / A load regulation and $\pm 1\%$ output voltage tolerance at room temperature.

Protection features include Safe Operating Area current limiting and thermal shutdown.

ABSOLUTE MAXIMUM RATINGS ($T_{case} = 25^{\circ}C$ unless otherwise stated)

V_I	DC Input Voltage (for $V_O = 5, 12, 15V$)	35V
P_D	Power Dissipation	Internally limited ¹
T_j	Operating Junction Temperature Range	–55 to 150°C
T_{stg}	Storage Temperature	–65 to 150°C

Note 1. Although power dissipation is internally limited, these specifications are applicable for maximum power dissipation P_{MAX} of 20W. $I_{MAX} = 1.0A$.

Parameter	Test Conditions	IP7805A IP140A-05			IP7805 IP140A-05			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
V_O Output Voltage	$I_O = 1A$ $V_{IN} = 10V$	4.95	5	5.05	4.8	5	5.2	V
	$I_O = 5mA$ to I_{MAX} $P_D \leq P_{MAX}$ $V_{IN} = 7.5V$ to $20V$ $T_J = -55$ to $150^\circ C$	4.85		5.15	4.75		5.25	
V_O Low Supply	$I_O = 5mA$ to I_{MAX} $P_D \leq P_{MAX}$ $V_{IN} = 7V$ to $20V$	4.75		5.15	4.75		5.25	V
ΔV_O Line Regulation	$I_O = 0.5 I_{MAX}$	$V_{IN} = 7V$ to $25V$		3	10		50	mV
		$V_{IN} = 7.5V$ to $25V$ $T_J = -55$ to $150^\circ C$		3	10		50	
	$I_O \leq I_{MAX}$	$V_{IN} = 7.3V$ to $20V$		3	10		50	
	$V_{IN} = 8V$ to $12V$			1	4		20	
	$T_J = -55$ to $150^\circ C$			2	12		25	
ΔV_O Load Regulation	$V_{IN} = 10V$	$I_O = 5mA$ to $1.5A$		10	25		50	mV
		$I_O = 250mA$ to $750mA$		4	15		25	
	$V_{IN} = 10V$	$I_O = 5mA$ to I_{MAX} $T_J = -55$ to $150^\circ C$		7	25		50	
I_Q Quiescent Current	$I_O \leq I_{MAX}$			4	6		6	mA
	$V_{IN} = 10V$	$T_J = -55$ to $150^\circ C$		4	6.5		7	
ΔI_Q Quiescent Current Change	$I_O = 5mA$ to I_{MAX}	$V_{IN} = 10V$		0.2	0.5		0.5	mA
	$I_O \leq I_{MAX}$	$V_{IN} = 7.5V$ to $20V$ $T_J = -55$ to $150^\circ C$		0.1	0.8		0.8	
	$I_O \leq 0.5 I_{MAX}$	$V_{IN} = 8V$ to $25V$		0.1	0.8		0.8	
	$I_O \leq 0.5 I_{MAX}$	$V_{IN} = 7V$ to $25V$ $T_J = -55$ to $150^\circ C$		0.2	1		1.0	
V_N Output Noise Voltage	$f = 10Hz$ to $100kHz$ $V_{IN} = 10V$		40	200		40		μV
$\frac{\Delta V_{IN}}{\Delta V_O}$ Ripple Rejection	$f = 120Hz$ $V_{IN} = 8V$ to $18V$	$I_O \leq I_{MAX}$		68	80		68	dB
		$I_O \leq 0.5 I_{MAX}$ $T_J = -55$ to $150^\circ C$		68	80		68	
Dropout Voltage	$I_O = I_{MAX}$		2	2.5		2		V
R_O Output Resistance	$f = 1 kHz$		5			5		$m\Omega$
I_{sc} Short Circuit Current	$V_{IN} = 35V$		0.6	1.2		0.6	1.2	A
I_{pk} Peak Output Current	$V_{IN} = 10V$		2.4	3.3		2.4	3.3	
Average Temperature Coefficient of V_O	$I_O = 5mA$		0.2	2		0.6		$\frac{mV}{^\circ C}$
Input Voltage required to maintain line regulation	$I_O \leq I_{MAX}$		7.3			7.3		V

- All characteristics are measured with a capacitor across the input of $0.22\mu F$ and a capacitor across the output of $0.1\mu F$. All characteristics except noise voltage and ripple rejection ratio are measured using pulse techniques ($t_p \leq 10ms$, $\delta \leq 5\%$). Output voltage changes due to changes in internal temperature must be taken into account separately.
- Although power dissipation is internally limited, these specifications are applicable for maximum power dissipation P_{MAX} of $20W$, $I_{MAX} = 1.0A$.
- $T_J = 25^\circ C$ unless otherwise stated.

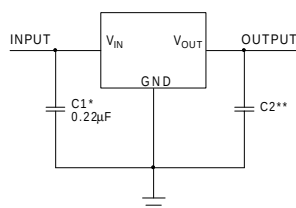
Parameter	Test Conditions	IP7812A IP140A-12			IP7812 IP140A-12			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
V_O Output Voltage	$I_O = 1A$ $V_{IN} = 19V$	11.88	12	12.12	11.5	12	12.5	V
	$I_O = 5mA$ to I_{MAX} $P_D \leq P_{MAX}$ $V_{IN} = 14.8V$ to $27V$ $T_J = -55$ to $150^\circ C$	11.64		12.36	11.4		12.6	
V_O Low Supply	$I_O = 5mA$ to I_{MAX} $P_D \leq P_{MAX}$ $V_{IN} = 14.5V$ to $27V$	11.40		12.36	11.4		12.6	V
ΔV_O Line Regulation	$I_O = 0.5 I_{MAX}$	$V_{IN} = 14.5V$ to $30V$		4	18		120	mV
		$V_{IN} = 14.8V$ to $30V$ $T_J = -55$ to $150^\circ C$		4	18		120	
	$I_O \leq I_{MAX}$	$V_{IN} = 14.5V$ to $27V$		4	18		120	
	$V_{IN} = 16V$ to $22V$			2	9		50	
	$T_J = -55$ to $150^\circ C$			4	30		60	
ΔV_O Load Regulation	$V_{IN} = 19V$	$I_O = 5mA$ to $1.5A$		12	32		120	mV
		$I_O = 250mA$ to $750mA$		4	19		60	
	$V_{IN} = 19V$	$I_O = 5mA$ to I_{MAX} $T_J = -55$ to $150^\circ C$		8	60		120	
I_Q Quiescent Current	$I_O \leq I_{MAX}$			4	6		6	mA
	$V_{IN} = 19V$	$T_J = -55$ to $150^\circ C$		4	6.5		7	
ΔI_Q Quiescent Current Change	$I_O = 5mA$ to I_{MAX}	$V_{IN} = 19V$		0.2	0.5		0.5	mA
	$I_O \leq I_{MAX}$	$V_{IN} = 14.8V$ to $27V$ $T_J = -55$ to $150^\circ C$		0.1	0.8		0.8	
	$I_O \leq 0.5 I_{MAX}$	$V_{IN} = 15V$ to $30V$		0.1	0.8		0.8	
	$I_O \leq 0.5 I_{MAX}$	$V_{IN} = 14.5V$ to $30V$ $T_J = -55$ to $150^\circ C$		0.2	1		1	
V_N Output Noise Voltage	$f = 10Hz$ to $100kHz$ $V_{IN} = 19V$		75	480		75		μV
$\frac{\Delta V_{IN}}{\Delta V_O}$ Ripple Rejection	$f = 120Hz$ $V_{IN} = 15V$ to $25V$	$I_O \leq I_{MAX}$		61	72		61	dB
		$I_O \leq 0.5 I_{MAX}$ $T_J = -55$ to $150^\circ C$		61	72		61	
Dropout Voltage	$I_O = I_{MAX}$		2	2.5		2		V
R_O Output Resistance	$f = 1 kHz$		8			8		$m\Omega$
I_{sc} Short Circuit Current	$V_{IN} = 35V$		0.6	1.2		0.6	1.2	A
I_{pk} Peak Output Current	$V_{IN} = 19V$		2.4	3.3		2.4	3.3	
Average Temperature Coefficient of V_O	$I_O = 5mA$		0.5	4.8		1.5		$\frac{mV}{^\circ C}$
Input Voltage required to maintain line regulation	$I_O \leq I_{MAX}$		14.5			14.6		V

- 1) All characteristics are measured with a capacitor across the input of $0.22\mu F$ and a capacitor across the output of $0.1\mu F$. All characteristics except noise voltage and ripple rejection ratio are measured using pulse techniques ($t_p \leq 10ms$, $\delta \leq 5\%$). Output voltage changes due to changes in internal temperature must be taken into account separately.
- 2) Although power dissipation is internally limited, these specifications are applicable for maximum power dissipation P_{MAX} of $20W$, $I_{MAX} = 1.0A$.
- 3) $T_J = 25^\circ C$ unless otherwise stated.

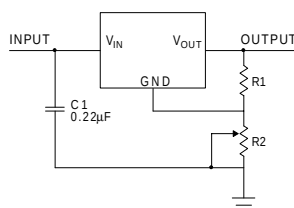
Parameter	Test Conditions	IP7815A IP140A-15			IP7815 IP140A-15			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
V_O Output Voltage	$I_O = 1A$ $V_{IN} = 23V$	14.85	15	15.15	14.4	15	15.60	V
	$I_O = 5mA$ to I_{MAX} $P_D \leq P_{MAX}$ $V_{IN} = 17.9V$ to $30V$ $T_J = -55$ to $150^\circ C$	14.55		15.45	14.25		15.75	
V_O Low Supply	$I_O = 5mA$ to I_{MAX} $P_D \leq P_{MAX}$ $V_{IN} = 17.5V$ to $30V$	14.25		15.45	14.25		15.75	V
ΔV_O Line Regulation	$I_O = 0.5 I_{MAX}$	$V_{IN} = 17.5V$ to $30V$		4	22		150	mV
		$V_{IN} = 17.9V$ to $30V$ $T_J = -55$ to $150^\circ C$		4	22		150	
	$I_O \leq I_{MAX}$	$V_{IN} = 17.5V$ to $30V$		4	22		150	
	$V_{IN} = 20V$ to $26V$			2	10		60	
	$T_J = -55$ to $150^\circ C$			5	30		75	
ΔV_O Load Regulation	$V_{IN} = 23V$	$I_O = 5mA$ to $1.5A$		12	35		150	mV
		$I_O = 250mA$ to $750mA$		4	21		75	
	$V_{IN} = 23V$	$I_O = 5mA$ to I_{MAX} $T_J = -55$ to $150^\circ C$		9	75		150	
I_Q Quiescent Current	$I_O \leq I_{MAX}$			4	6		6	mA
	$V_{IN} = 23V$	$T_J = -55$ to $150^\circ C$		4	6.5		7	
ΔI_Q Quiescent Current Change	$I_O = 5mA$ to I_{MAX}	$V_{IN} = 23V$		0.2	0.5		0.5	mA
	$I_O \leq I_{MAX}$	$V_{IN} = 17.9V$ to $30V$ $T_J = -55$ to $150^\circ C$		0.1	0.8		0.8	
	$I_O \leq 0.5 I_{MAX}$	$V_{IN} = 18.5V$ to $30V$		0.1	0.8		0.8	
	$I_O \leq 0.5 I_{MAX}$	$V_{IN} = 17.5V$ to $30V$ $T_J = -55$ to $150^\circ C$		0.2	1		1	
V_N Output Noise Voltage	$f = 10Hz$ to $100kHz$ $V_{IN} = 23V$		90	600		90		μV
$\frac{\Delta V_{IN}}{\Delta V_O}$ Ripple Rejection	$f = 120Hz$	$I_O \leq I_{MAX}$		60	70		60	dB
	$V_{IN} = 18.5V$ to $28.5V$	$I_O \leq 0.5 I_{MAX}$ $T_J = -55$ to $150^\circ C$		60	70		60	
Dropout Voltage	$I_O = I_{MAX}$		2	2.5		2		V
R_O Output Resistance	$f = 1 kHz$		9			9		$m\Omega$
I_{sc} Short Circuit Current	$V_{IN} = 35V$		0.6	1.2		0.6	1.2	A
I_{pk} Peak Output Current	$V_{IN} = 23V$		2.4	3.3		2.4	3.3	
Average Temperature Coefficient of V_O	$I_O = 5mA$		0.6	6		1.8		$mV/^\circ C$
Input Voltage required to maintain line regulation	$I_O \leq I_{MAX}$		17.5			17.7		V

- 1) All characteristics are measured with a capacitor across the input of $0.22\mu F$ and a capacitor across the output of $0.1\mu F$. All characteristics except noise voltage and ripple rejection ratio are measured using pulse techniques ($t_p \leq 10ms$, $\delta \leq 5\%$). Output voltage changes due to changes in internal temperature must be taken into account separately.
- 2) Although power dissipation is internally limited, these specifications are applicable for maximum power dissipation P_{MAX} of $20W$, $I_{MAX} = 1.0A$.
- 3) $T_J = 25^\circ C$ unless otherwise stated.

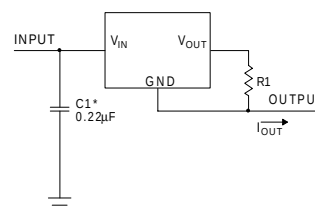
APPLICATIONS INFORMATION



Fixed Output Regulator



Adjustable Output Regulator



Current Regulator

* Required if the regulator is located far from the power supply.

** Although no output capacitor is needed for stability, it does help transient response. (If needed, use 0.1µF ceramic disc)

$$V_{OUT} = 5V + \left(\frac{5V}{R1 + V} \right) R2$$

$$\left(\frac{5V}{R1} \right) > 3I_Q, \text{ Load Regulation } \approx$$

$$\left[\frac{R1+R2}{R1} \right] (L_R \text{ of Regulator})$$

$$I_{OUT} = \left(\frac{V2 - V3}{R1} \right) + I_Q$$

$\Delta I_Q = 1.3\text{mA}$ over line and load changes

Order Information

Part Number	K-Pack (TO-3)	R-Pack (TO-66)	G/IG-Pack (TO-257)	SMD 1	Temp. Range	Note: To order, add the package identifier to the part number. eg. IP7805AK IP140SG-12
IP7800A	✓	✓	✓	✓	-55 to +150°C	
IP7800	✓	✓	✓	✓	"	
IP140A	✓	✓	✓	✓	"	
IP140	✓	✓	✓	✓	"	
LM140	✓	✓	✓	✓	"	

Part number search for devices beginning "IP7805A"

[Semelab Home](#)

Datasheets are downloaded
as Acrobat PDF files.



Print this Page



Linear Devices

PRODUCT	Screening options available	Package	Description	Temperature Range	Polarity	Current (A)	Input Voltage SIDE 1 (V)	Output Voltage SIDE 1 (V)	Voltage drop SIDE 1 (typ.)	Voltage drop SIDE 1 (max.)	Input Voltage SIDE 2 (V)	Output Voltage SIDE 2 (V)	Voltage drop SIDE 2 (typ.)	Voltage drop SIDE 2 (max.)
IP7805AB	?	SMM3	Voltage Regulator	0 to +70°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AB-8QR-B	i	SMM3	Voltage Regulator	0 to +70°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AB-DESC	i	SMM3	Voltage Regulator	0 to +70°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AG	?	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AG-883B	i	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AG-8QR-B	i	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AG-BS	i	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AG-BSS2	i	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AG-DESC	i	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AGF	?	TO257-F	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AGF-8QR-B	i	TO257-F	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AIG	?	TO257AA	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AIG-883B	i	TO257AA	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AIG-8QR-B	i	TO257AA	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AIG-DESC	i	TO257AA	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AIGF	?	TO257-F	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AIGF-8QR-B	i	TO257-F	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AK	?	TO3 (TO204AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AK-883B	i	TO3 (TO204AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AK-8QR-B	i	TO3 (TO204AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AK-BSS2	i	TO3 (TO204AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AK-DESC	i	TO3 (TO204AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AR	?	TO66 (TO213AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AR-883B	i	TO66 (TO213AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-

IP7805AR-8QR-B		TO66 (TO213AA)	Voltage Regulator	-55 to +150°C Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AR-BSS2		TO66 (TO213AA)	Voltage Regulator	-55 to +150°C Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805AR-DESC		TO66 (TO213AA)	Voltage Regulator	-55 to +150°C Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805ASMD		SMD1 (TO276AB)	Voltage Regulator	-55 to +150°C Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805ASMD-8QR-B		SMD1 (TO276AB)	Voltage Regulator	-55 to +150°C Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805ASMD05		SMD0.5 (TO276AA)	Voltage Regulator	-55 to +150°C Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-
IP7805ASMD05-8QR-B		SMD0.5 (TO276AA)	Voltage Regulator	-55 to +150°C Positive	1.5A	7.5V to 25V	5V	2V	2.5V	-	-	-	-

SCREENING OPTIONS AVAILABILITY

(including CECC, JAN/JANTX/JANTXV, BS)



symbol indicates that screening options are available for this device.

For device-specific screening options and order information, click the relevant  symbol.
For more information on Screening options, [visit the Screening Homepage.](#)

[Top of Page](#)

If you are unable to find a suitable part, please [contact us](#).



Part number search for devices beginning "IP7815A"

[Semelab Home](#)

Datasheets are downloaded
as Acrobat PDF files.



Print this Page



Linear Devices

PRODUCT	Screening options available	Package	Description	Temperature Range	Polarity	Current (A)	Input Voltage SIDE 1 (V)	Output Voltage SIDE 1 (V)	Voltage drop SIDE 1 (typ.)	Voltage drop SIDE 1 (max.)	Input Voltage SIDE 2 (V)	Output Voltage SIDE 2 (V)	Voltage drop SIDE 2 (typ.)	Voltage drop SIDE 2 (max.)
IP7815AG	?	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AG-883B	i	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AG-8QR-B	i	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AG-BSS2	i	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AG-DESC	i	TO257AA	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AGF	?	TO257-F	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AGF-8QR-B	i	TO257-F	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AIG	?	TO257AA	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AIG-883B	i	TO257AA	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AIG-8QR-B	i	TO257AA	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AIG-DESC	i	TO257AA	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AIGF	?	TO257-F	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AIGF-8QR-B	i	TO257-F	Voltage Regulator - Isolated	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AK	?	TO3 (TO204AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AK-883B	i	TO3 (TO204AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AK-8QR-B	i	TO3 (TO204AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AK-DESC	i	TO3 (TO204AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AR	?	TO66 (TO213AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AR-883B	i	TO66 (TO213AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AR-8QR-B	i	TO66 (TO213AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815AR-DESC	i	TO66 (TO213AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815ASMD	?	SMD1 (TO276AB)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815ASMD-8QR-B	i	SMD1 (TO276AB)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-
IP7815ASMD05	?	SMD0.5 (TO276AA)	Voltage Regulator	-55 to +150°C	Positive	1.5A	17.5V to 30V	15V	2V	2.5V	-	-	-	-

SCREENING OPTIONS AVAILABILITY

(including CECC, JAN / JANTX / JANTXV, BS)



symbol indicates that screening options are available for this device.

For device-specific screening options and order information, click the relevant  symbol.
For more information on Screening options, [visit the Screening Homepage.](#)

[Top of Page](#)

If you are unable to find a suitable part, please [contact us](#).



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TT Electronics:](#)

[IP7815AR-DESC](#) [IP7805AG-883B](#) [IP7815AG-DESC](#)