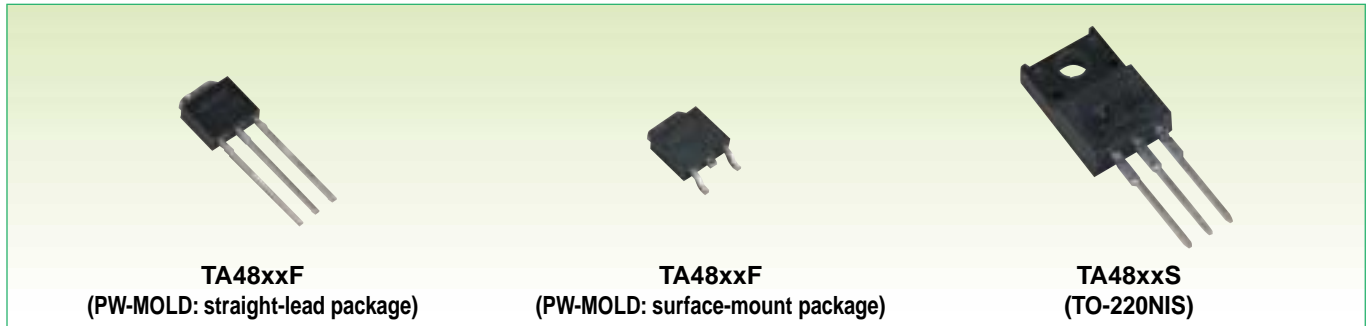


Low-Dropout Voltage Regulators with Output Current of 1 A

TA48xxF/S Series

Output current of 1 A and low saturation voltage to meet requirements of small, low-voltage, low-power-consumption equipment

The TA48xxF/S Series consists of fixed-positive-output-voltage and low-saturation-voltage regulators. The series is comprised of devices with output voltages of 1.8 V, 2 V, 2.5 V, 3 V, 3.3 V and 5 V. Since the characteristics of the TA48xxF/S Series include low bias current (even on start-up) and low dropout voltage, these devices are suitable for use in low-power-consumption, low-voltage consumer electronics and industrial appliances

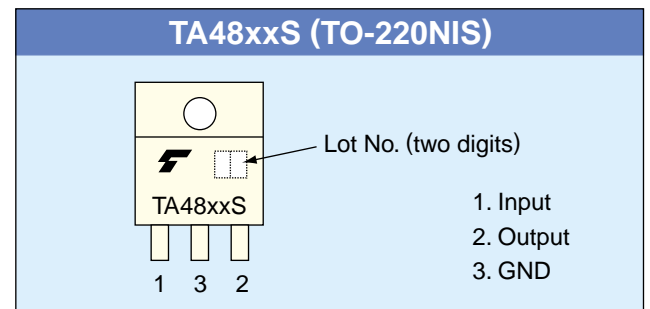
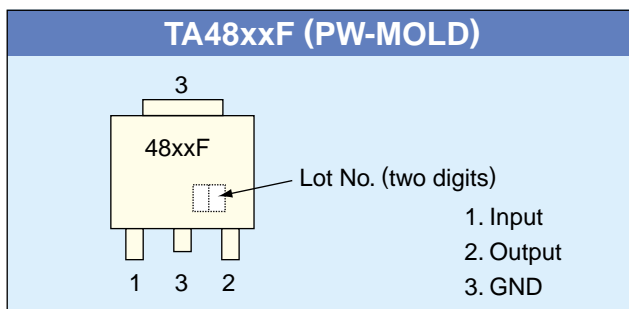


Product Line-up

Product No.	Maximum Ratings		Main Electrical Characteristics				Package Type
	Output current Max (A)	Input voltage Max (V)	Output voltage		Dropout voltage Max (V)	Bias current Typ. (mA)	
			Typ. (V)	Accuracy (%)			
TA48018F/S	1	16	1.8	± 3 (@T _j =25°C)	0.5 (@I _o =0.5A)	0.8 (@I _o =0A) 10 (@I _o =1A)	TA48xxF: PW-MOLD TA48xxS: TO-220NIS
TA4802F/S			2.0				
TA48025F/S			2.5				
TA4803F/S			3.0				
TA48033F/S			3.3				
TA4805F/S			5.0				

- Low bias current even on start-up:
typically 10 mA (output voltage = 1.8 V)~14 mA (output voltage = 5 V) @I_{out} = 1 A
- Protection functions: overheating and overcurrent-limiting circuits

Markings and Pin Configuration



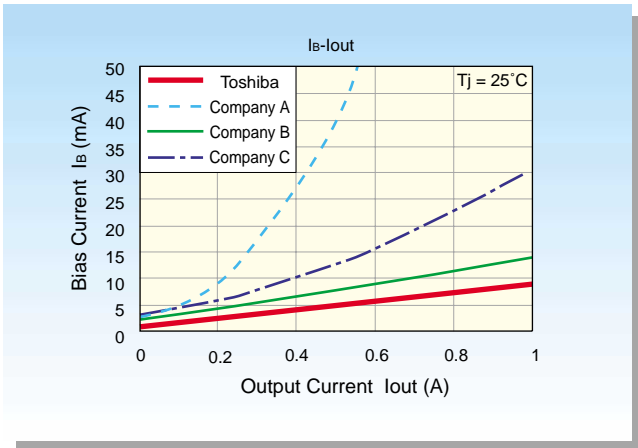
* Lot number: Last decimal digit of the year of manufacture and January to December is denoted by letter A to L respectively.

How to Order

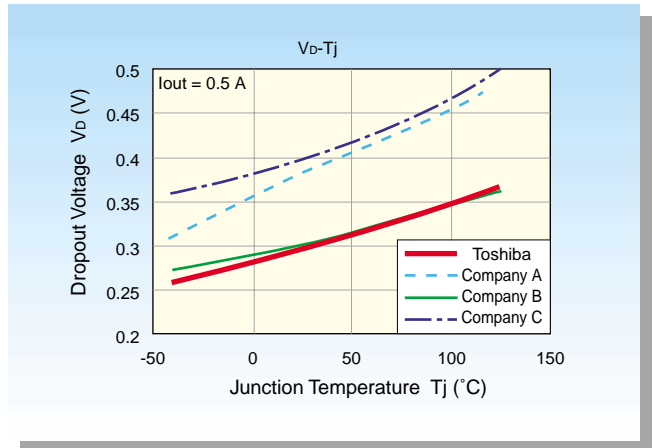
Product No.	Package	Packing Type and Unit for Orders
TA48xxF	PW-MOLD: Straight-lead package	Loose in bag: 200 (1 bag)
TA48xxF (TE16L1, N)	PW-MOLD: Surface-mount package	Embossed-tape packing: 2000 (1 tape)
TA48xxS	TO-220NIS	Loose in bag: 50 (1 bag)

TA48033 (output voltage = 3.3 V): Characteristic Comparison with Competitors' Products

Low bias current
Low power consumption

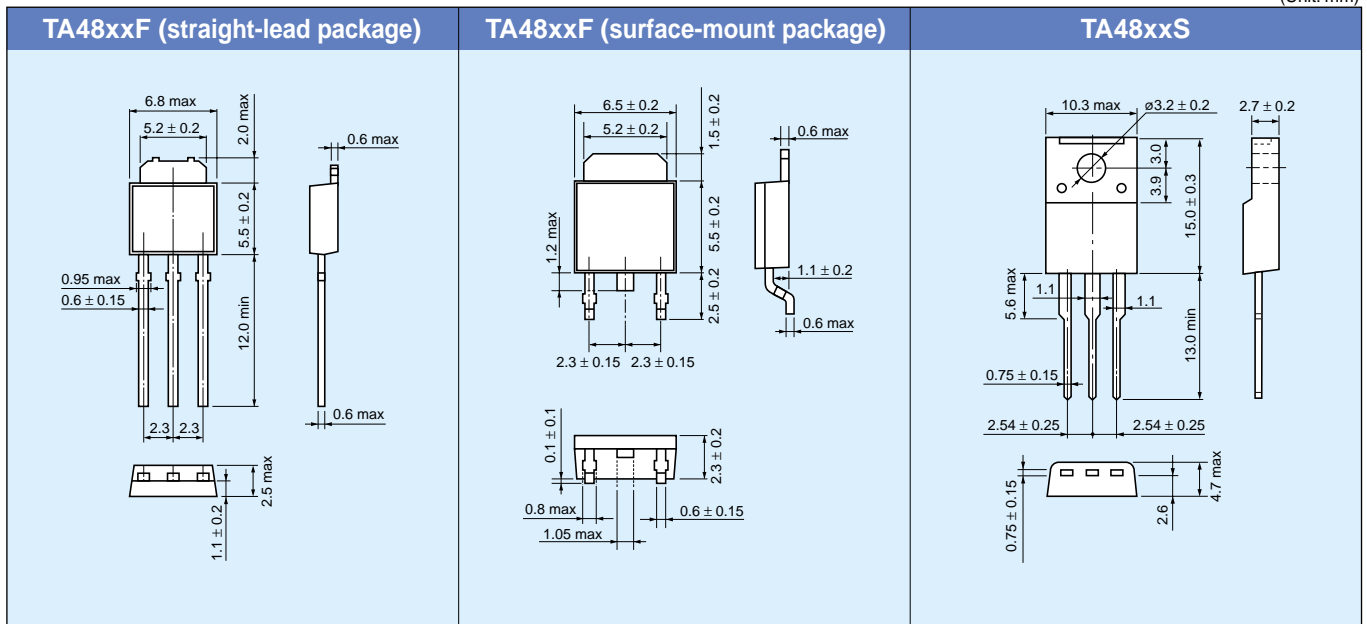


Low dropout voltage
Low power consumption



Package Dimensions

(Unit: mm)



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