

TOM10-AE(BE) series

Typical Performance

FEATURES

- Wide Input voltage range (2:1/4:1)
- Typical Efficiency:80%
- Switching frequency: 300KHz
- Short circuit protection,Self-furbish
- Input-output isolate 1500VDC
- PCB Board in-line type installs
- Metal case, Low Output Ripple



Technology parameter Test condition:General Nominal Line, Tc=25°C, Rated resistant load unless other wispecified

<i>Input Feature</i>	<i>Min</i>	<i>Nom</i>	<i>Max</i>	<i>Notes</i>
Input voltage(Vdc)	9(start violtage 9.5V)	12	18	2:1
	18	24	36	2:1
	36	48	72	2:1
	72	110	144	2:1
	9(start violtage 9.5V)	18	36	W 4:1
	18	36	72	W 4:1
Remote ON/OFF				Non

Output Feature

Voltage accuracy		Vo1;Vo2,Vo3	±1.0%, ±3.0%
Line regulation	Nominal Load,full voltage input range	Vo1;Vo2,Vo3	±0.2%, ±1.5%
Load regulation	Nominal Input Voltage,20% ~ 100% Nominal Load	Vo1;Vo2,Vo3	±0.5%, ±3.0%
Ripple and noise	20MHz BM full load Vo≤5.0V, ≤50mVp-p; Vo≥48V, ≤180mVp-p; Other, ≤100mVp-p;test by 20M oscillograph		
Voltage adjust	Standard output voltage	TRIM	±10%(adjustable)
Peak Deviation	25% Rated Load Vary	ΔVo1/ Vo1	≤±5.0%
Dynamic Response Setting Time			≤200us

TOM10-1203-AE	12 V (9~18V)	3.3V	2000mA				
TOM10-1205-AE		5V	2000mA				
TOM10-1209-AE		9V	1110mA				
TOM10-1212-AE		12V	830mA				
TOM10-1215-AE		15V	660mA				
TOM10-1218-AE		18V	556mA				
TOM10-1224-AE		24V	410mA				
TOM10-1228-AE		28V	357mA				
TOM10-1248-AE		48V	208mA				
TOM10-1203-BE		+3.3V	1000 mA	-3.3V	1000 mA		
TOM10-1205-BE		+5V	1000 mA	-5V	1000 mA		
TOM10-1209-BE		+9V	550 mA	-9V	550 mA		
TOM10-1212-BE		+12V	410 mA	-12V	410 mA		
TOM10-1215-BE		+15V	330 mA	-15V	330 mA		
TOM10-1224-BE		+24V	210 mA	-42V	210 mA		
TOM10-1803-AEW		18V(9~36V)	3.3V	2000mA			
TOM10-1805-AEW	5V		2000mA				
TOM10-1809-AEW	9V		1110mA				
TOM10-1812-AEW	12V		830mA				
TOM10-1815-AEW	15V		660mA				
TOM10-1818-AEW	18V		556mA				
TOM10-1824-AEW	24V		410mA				
TOM10-1828-AEW	28V		357mA				
TOM10-1848-AEW	48V		208mA				
TOM10-1803-BEW	+3.3V		1000 mA	-3.3V	1000 mA		
TOM10-1805-BEW	+5V		1000 mA	-5V	1000 mA		
TOM10-1809-BEW	+9V		550 mA	-9V	550 mA		
TOM10-1812-BEW	+12V		410 mA	-12V	410 mA		
TOM10-1815-BEW	+15V		330 mA	-15V	330 mA		
TOM10-1824-BEW	+24V		210 mA	-42V	210 mA		
TOM10-2403-AE	24V (18~36V)		3.3V	2000mA			
TOM10-2405-AE		5V	2000mA				

TOM10-2409-AE	24V (18~36V)	9V	1110mA					
TOM10-2412-AEW		12V	830mA					
TOM10-2415-AE		15V	660mA					
TOM10-2418-AE		18V	556mA					
TOM10-2424-AE		24V	410mA					
TOM10-2428-AE		28V	357mA					
TOM10-2448-AE		48V	208mA					
TOM10-243V3-BE		+3.3V	1000 mA	-3.3V	1000 mA			
TOM10-2405-BE		+5V	1000 mA	-5V	1000 mA			
TOM10-2409-BE		+9V	550 mA	-9V	550 mA			
TOM10-2412-BE		+12V	410 mA	-12V	410 mA			
TOM10-2415-BE		+15V	330 mA	-15V	330 mA			
TOM10-2424-BE		+24V	210 mA	-42V	210 mA			
TOM10-3603-AEW		36V(18~72V)	3.3V	2000mA				
TOM10-3605-AEW			5V	2000mA				
TOM10-3609-AEW	9V		1110mA					
TOM10-3612-AEW	12V		830mA					
TOM10-3615-AEW	15V		660mA					
TOM10-3618-AEW	18V		556mA					
TOM10-3624-AEW	24V		410mA					
TOM10-3628-AEW	28V		357mA					
TOM10-3648-AEW	48V		208mA					
TOM10-3603-BEW	+3.3V		1000 mA	-3.3V	1000 mA			
TOM10-3605-BEW	+5V		1000 mA	-5V	1000 mA			
TOM10-3609-BEW	+9V		550 mA	-9V	550 mA			
TOM10-3612-BEW	+12V		410 mA	-12V	410 mA			
TOM10-3615-BEW	+15V		330 mA	-15V	330 mA			
TOM10-3624-BEW	+24V		210 mA	-42V	210 mA			
TOM10-4803-AE	48V (36~72V)		3.3V	2000mA				
TOM10-4805-AE			5V	2000mA				
TOM10-4809-AE			9V	1110mA				
TOM10-4812-AE			12V	830mA				

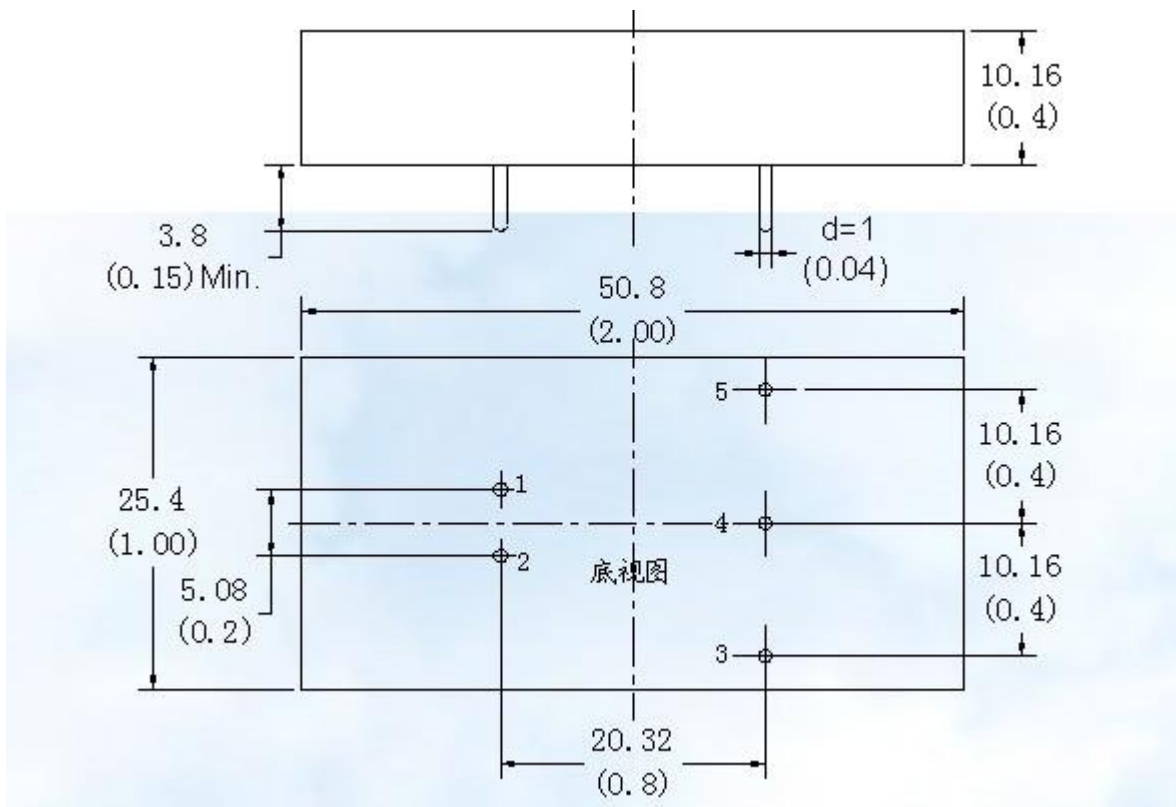
TOM10-4815-AE		15V	660mA					
TOM10-4818-AE		18V	556mA					
TOM10-4824-AE		24V	410mA					
TOM10-4828-AE		28V	357mA					
TOM10-4848-AE		48V	208mA					
TOM10-4803-BE		+3.3V	1000 mA	-3.3V	1000 mA			
TOM10-4805-BE		+5V	1000 mA	-5V	1000 mA			
TOM10-4809-BE		+9V	550 mA	-9V	550 mA			
TOM10-4812-BE		+12V	410 mA	-12V	410 mA			
TOM10-4815-BE		+15V	330 mA	-15V	330 mA			
TOM10-4824-BE		+24V	210 mA	-42V	210 mA			
TOM10-1103-AE		110V (72~144V)	3.3V	2000mA				
TOM10-11005-AE			5V	2000mA				
TOM10-11009-AE	9V		1110mA					
TOM10-11012-AE	12V		830mA					
TOM10-11015-AE	15V		660mA					
TOM10-11018-AE	18V		556mA					
TOM10-11024-AE	24V		410mA					
TOM10-11028-AE	28V		357mA					
TOM10-11048-AE	48V		208mA					
TOM10-11003-BE	+3.3V		1000 mA	-3.3V	1000 mA			
TOM10-11005-BE	+5V		1000 mA	-5V	1000 mA			
TOM10-11009-BE	+9V		550 mA	-9V	550 mA			
TOM10-11012-BE	+12V		410 mA	-12V	410 mA			
TOM10-11015-BE	+15V		330 mA	-15V	330 mA			
TOM10-11024-BE	+24V		210 mA	-42V	210 mA			

NOTE:

(1)This series, if the nominal input is 12V,the module does not support long time short circuit protection, short time should be controlled within 20 S.

(2)The output ripple noise (peak value) measurement, please reference module test instructions.

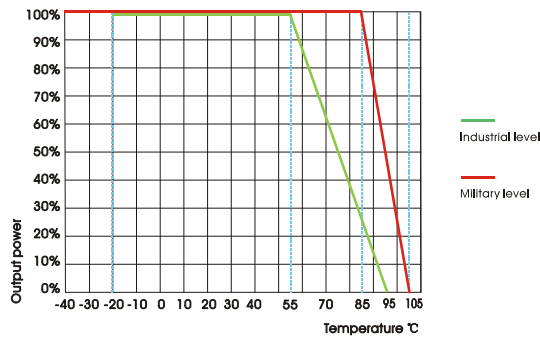
Mechanical Dimension



BOTTOM VIEW

UNIT:mm(inch)

Temperature Curve



Mechanical Data

WATT	L x W x H	Packing No.
10W	50.80*25.40*10.16mm(2*1*0.4inch)	B

Pin Assignment

PIN	1	2	3	4	5					
Single O/P	+Vin	-Vin	GND	NP	Vo					
Dual O/P	+Vin	-Vin	-Vo2	COM	+Vo1					

*Note: The power modules such as the definition of the pin does not match with the hand book, please refer to the actual item.