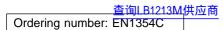
捷多邦,专业PCB打样工厂,24小时加急出货



Monolithic Digital IC

LB1213M

General-Purpose Transistor Array

Overview

The LB1213M is a general-purpose transistor array containing 7 channels. It is especially suited for driving LEDs, lamps, WWW.DZSC.COM small-sized relays, etc.

WW.DZSG.COM

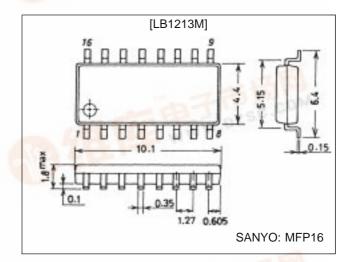
Features

- · Common-emitter 7 channels.
- Built-in base current limiting resistors.
- · Capable of being direct driven with TTL, CMOS, PMOS, etc.
- · Wide operating voltage and temperature ranges
- Miniflat package permitting sets to be small-sized.

Package Dimensions

unit : mm

3035A-MFP16



Specifications

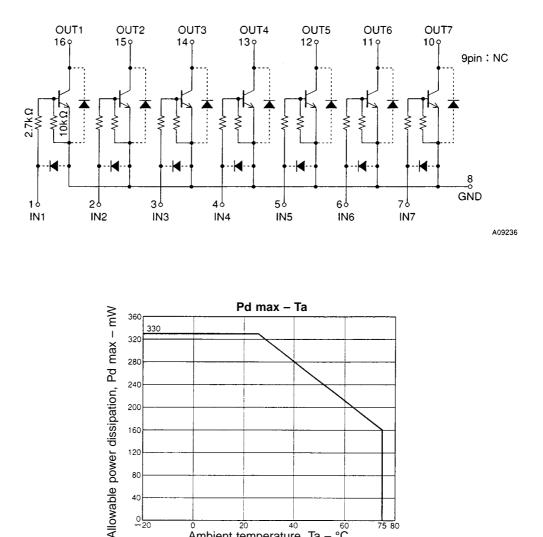
Absolute Maximum Ratings at $Ta = 25^{\circ}C$

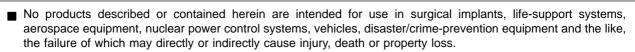
Parameter	Symbol	Conditions	Rating	Unit
Output supply voltage	V _{OUT}		20	V
Output current	lout	Per unit	100	mA
Input supply voltage	VIN	A D	10	V
Allowable power dissipation	Pd max		330	mW
Operating temperature	Topr		-20 to +75	°C
Storage temperature	Tstg		-40 to +125	°C

Electrical Characteristics at $Ta = 25^{\circ}C$

Parameter	Symbol	Conditions	min	typ	max	Unit
Output voltage	V _{OUT} 1	$V_{IN} = 5 V, I_{OUT} = 5 mA$			0.1	V
	V _{OUT} 2	$V_{IN} = 5 V$, $I_{OUT} = 50 mA$			0.5	V
Input current	I _{IN}	I _{IN} = 5 V		1.6	2.3	mA
Output sustain voltage	V _{O(SUS)}	I _{OUT} = 50 mA	20			V
Output leakage current	IOFF	V _{IN} = 0 V, V _{OUT} = 20 V			10	μA
DC current amplification factor	h _{FE}	V _{OUT} = 10 V, I _{OUT} = 2 mA	50		500	

Equivalent Circuit





Ambient temperature, Ta

40

75 80

60 °C

80 40

<u>0</u> ____20

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