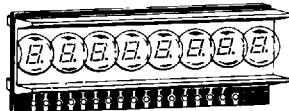
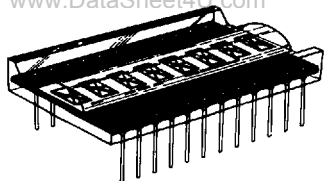


Monolithic LED Arrays—TSA Series

www.DataSheet4U.com



Features

- Many digits in a compact package
- 3 to 14 digit displays available
- Bubble lens digit magnification
- PCB mounted for easy installation
- TSA2815 crosses to the MAN2815

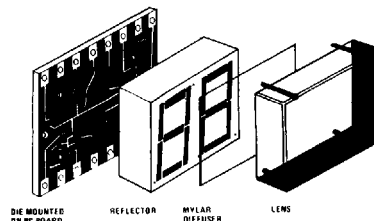
Applications

- Calculator sticks
- Equipment diagnostics
- Hand-held instruments
- Event counters
- Industrial controls

Part Number	Digits	Digit Height	Part Number	Digits	Digit Height
TSA0038	3	0.100"	TSA1541A	4	0.140"
TSA598	9	0.100"	TSA1588A	8	0.140"
TSA1144	4	0.100"	TSA2815*	8	0.135"
			TSA5120A	12	0.110"
TSA1166	6	0.100"	TSA5140A	14	0.110"
TSA1188	8	0.100"	TSA7120	12	0.110"
TSA1198	9	0.100"	TSA1605A*	8	0.140"

*14-Segment Alphanumeric

Numeric Displays—TSB Series



Features

- Prematched light intensity
- PCB Mounting for Easy Installation
- Color Enhancing Lens
- Two and Four Digit Displays are End Stackable

Applications

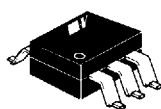
- Medical Equipment
- Industrial Controls
- Test Equipment
- Point of Sale Equipment
- Scales

Part Number	Digit Size	Format	Color
TSB3XXX	0.3"	2 & 4 Digits	Yellow*, Std. Red
TSB5XXX	0.5"	2, 3½, 4, & 6 Digits	Standard Red
TSB7XXX	0.7"	4 Digits	Standard Red

*The 4-Digit TSB3883 in YELLOW is ideal for medical equipment applications

Drive Options: Two digit displays are available in Common Anode or Common Cathode, Direct or Multiplexed drive. Four digit displays are multiplexed in Common Anode or Common Cathode versions.

Optocouplers



Three-Five Systems' optocouplers provide electrical isolation which is coupling a signal from input to output. This is achieved with optical coupling from a high efficiency infrared LED to a photo sensitive element. The photo sensitive device can range from a simple transistor to a complex IC.

Features

- Industry Standard Products
- Isolation up to 7500 Volts
- Variety of output structures

Applications

- AC power control
- DC power control
- Solid state relays

"Premium" Coupler Families

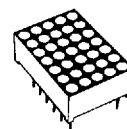
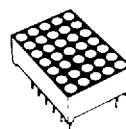
- H11LX and H11NX—1Mhz & 5Mhz Fast Data Couplers
- H11MX—800V SCR
- H11AGX—Low Current "CMOS" Inputs

4N25	4N36	CNY33	H11A5	H11AV1	H11C3	H11G1	H11M4	MCT210
4N25A	4N37	CNY34	H11A5100	H11AV1A	H11C4	H11G2	H11N1	MCT2E
4N26	4N38	CNY35	H11A520	H11AV2	H11C5	H11G3	H11N2	MOC3009
4N27	4N38A	CNY47	H11A550	H11AV2A	H11C6	H11G45	H11N3	MOC3010
4N28	4N39	CNY47A	H11AA1	H11AV3	H11D1	H11G46	MCA230	MOC3011
4N29	4N40	CNY48	H11AA2	H11AV3A	H11D2	H11L1	MCA231	MOC3012
4N30	CNY171	CNY51	H11AA3	H11B1	H11D3	H11L2	MCA255	MOC3020
4N31	CNY171I	H11A1	H11AA4	H11B2	H11D4	H11L3	MCS2	MOC3021
4N32	CNY171II	H11A2	H11AG1	H11B3	H11F1	H11M1	MCS2400	MOC3022
4N33	CNY171V	H11A3	H11AG2	H11C1	H11F2	H11M2	MCS2401	MOC3023
4N35	CNY30	H11A4	H11AG3	H11C2	H11F3	H11M3	MCT2	

Specialty Optocouplers — 10KV Isolation

Part No.	Min. CTR @ V _{CE} = 5.0V, I _F = 10mA	Lead Spacing
OPL1264A	25	0.050"
OPL1264B	50	
OPL1264C	100	
OPL1265A	25	0.100"
OPL1265B	50	
OPL1265C	100	

LED Dot Matrix Light Block—TFB Series



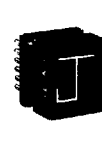
Features

- 5 x 7, 5 x 8, and 8 x 8 configurations
- 0.7", 1.4", 2.0", and 2.28" sizes
- Internally wired as X-Y matrix
- Yellow, Green, HE Red, and Bi-color versions

Applications

- Scrolling message signs
- Elevators
- POS terminals

"Pinlite" Incandescent Displays



Features

- Sunlight Readable—2500 to 15000fL
- High Contrast Ratio
- 120° Viewing Angle
- Filtering Allows Multiple Colors

Applications

- Aircraft Cockpits
- Marine Navigation
- Gas Pumps
- Taxi Meters

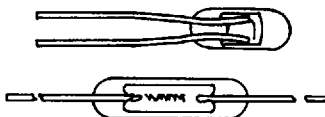
Options

- Character Sizes: 0.167" to 0.635"
- Operating Voltage: 3V, 4V, and 5V
- Special Characters Available
- Accessories: Decoder/Drivers, Mating Connectors

Series

- "0"—16 Segment A/N
- "0X"—7 Segment Numeric Alphanumeric DIP Pkg.
- "MD"—Mini-DIP Package
- "MDD"—Internal Mux

"Pinlite" Incandescent Lamps



Features

- Operating Voltage: 1.25V-8.0V
- Current: 12mA-45mA
- Brightness: 45-400 millilumens