

MARKTECH INTERNATIONAL

18E D

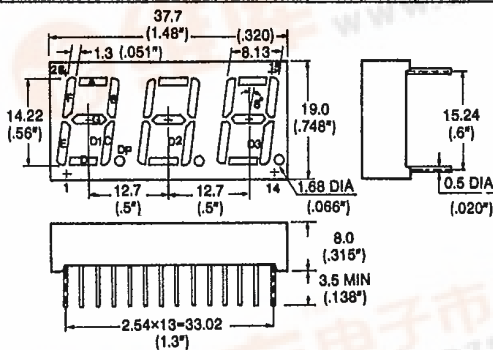
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3&4 DIGIT DISPLAY

T-41-33

.56" DIGIT SIZE

PART NO.	PEAK WAVE-LENGTH λ_P (nm)	EMITTED COLOR	MAXIMUM RATINGS					OPTO-ELECTRICAL CHARACTERISTICS								Pin Out
			I_F (mA)	V_R (V)	P_D (mW)	T_{opr} (°C)	T_{stg} (°C)	V_F (V)			I_R (μ A)		I_V (μ cd)			
								typ.	max.	@ mA	max.	@ V_R	typ. per seg.	@ mA		
MTN1356-11A	655	Red	25	3	100	-40 ~ 85	-55 ~ 100	1.7	2.0	20	100	3	450	10	1	
MTN2356-11A	567	Green	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1650	10	1	
MTN4356-11A	635	Orange	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	1	
MTN4356R-11A	635	HI-Eff Red	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	1	
MTN1356-11C	655	Red	25	3	100	-40 ~ 85	-55 ~ 100	1.7	2.0	20	100	3	450	10	2	
MTN2356-11C	567	Green	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1650	10	2	
MTN4356-11C	635	Orange	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	2	
MTN4356R-11C	635	HI-Eff Red	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	2	



PINOUT 1

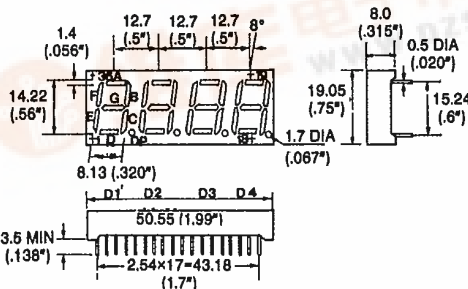
PIN NO.	FUNCTION
1.	E SEG CATHODE (D1)
2.	D SEG CATHODE (D1)
3.	C SEG CATHODE (D1)
4.	DP SEG CATHODE (D1)
5.	E SEG CATHODE (D2)
6.	D SEG CATHODE (D2)
7.	C SEG CATHODE (D2)
8.	DP SEG CATHODE (D2)
9.	E SEG CATHODE (D3)
10.	D SEG CATHODE (D3)
11.	C SEG CATHODE (D3)
12.	DP SEG CATHODE (D3)
13.	E SEG CATHODE (D4)
14.	D SEG CATHODE (D4)

PINOUT 2

PIN NO.	FUNCTION
1.	E SEG ANODE (D1)
2.	D SEG ANODE (D1)
3.	C SEG ANODE (D1)
4.	DP ANODE (D1)
5.	E SEG ANODE (D2)
6.	D SEG ANODE (D2)
7.	C SEG ANODE (D2)
8.	DP ANODE (D2)
9.	E SEG ANODE (D3)
10.	D SEG ANODE (D3)
11.	C SEG ANODE (D3)
12.	DP ANODE (D3)
13.	E SEG ANODE (D4)
14.	D SEG ANODE (D4)
15.	A SEG COMMON ANODE
16.	A SEG CATHODE (D3)
17.	F SEG CATHODE (D3)
18.	G SEG CATHODE (D3)
19.	B SEG CATHODE (D3)
20.	D1 COMMON CATHODE
21.	D2 COMMON CATHODE
22.	D3 COMMON CATHODE
23.	D4 COMMON CATHODE
24.	A SEG ANODE (D2)
25.	G SEG ANODE (D2)
26.	F SEG ANODE (D2)
27.	B SEG ANODE (D2)
28.	F SEG ANODE (D1)
29.	G SEG ANODE (D1)
30.	B SEG ANODE (D1)
31.	A SEG ANODE (D1)
32.	D1 COMMON CATHODE
33.	D2 COMMON CATHODE
34.	D3 COMMON CATHODE
35.	D4 COMMON CATHODE
36.	A SEG ANODE (D1)
37.	F SEG ANODE (D1)
38.	G SEG ANODE (D1)
39.	B SEG ANODE (D1)
40.	A SEG ANODE (D1)

.56" DIGIT SIZE

PART NO.	PEAK WAVE-LENGTH λ P (nm)	EMITTED COLOR	MAXIMUM RATINGS					OPTO-ELECTRICAL CHARACTERISTICS								Pin Out
			I_F (mA)	V_R (V)	P_D (mW)	T_{opr} (°C)	T_{stg} (°C)	V_F (V)			I_R (μ A)		I_V (μ cd)			
								typ.	max.	@ mA	max.	@ V_R	typ. per seg.	@ mA		
MTN1456-ASR	655	Red	25	3	100	-40 ~ 85	-55 ~ 100	1.7	2.0	20	100	3	450	10	1	
MTN2456-AG	567	Green	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1650	10	1	
MTN4456-AO	635	Orange	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	1	
MTN4456-AHR	635	Hi-Eff Red	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	1	
MTN1456-CSR	655	Red	25	3	100	-40 ~ 85	-55 ~ 100	1.7	2.0	20	100	3	450	10	2	
MTN2456-CG	567	Green	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1650	10	2	
MTN4456-CO	635	Orange	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	2	
MTN4456-CHR	635	Hi-Eff Red	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	2	



PINOUT 1

PIN NO.	FUNCTION
1.	CATHODE E (D1)
2.	CATHODE D (D1)
3.	CATHODE C (D1)
4.	CATHODE DP (D1)
5.	CATHODE E (D2)
6.	CATHODE D (D2)
7.	CATHODE C (D2)
8.	CATHODE DP (D2)
9.	CATHODE E (D3)
10.	CATHODE D (D3)
11.	CATHODE C (D3)
12.	CATHODE DP (D3)
13.	CATHODE E (D4)
14.	CATHODE D (D4)
15.	CATHODE C (D4)
16.	CATHODE DP (D4)

PINOUT 2

PIN NO.	FUNCTION
1.	ANODE E (D1)
2.	ANODE D (D1)
3.	ANODE C (D1)
4.	ANODE DP (D1)
5.	ANODE E (D2)
6.	ANODE D (D2)
7.	ANODE C (D2)
8.	ANODE DP (D2)
9.	ANODE E (D3)
10.	ANODE D (D3)
11.	ANODE C (D3)
12.	ANODE DP (D3)
13.	ANODE E (D4)
14.	ANODE D (D4)
15.	ANODE C (D4)
16.	ANODE DP (D4)
17.	ANODE E (D4)
18.	ANODE D (D4)
19.	ANODE B (D4)
20.	ANODE A (D4)
21.	ANODE F (D4)
22.	D4 COMMON CATHODE
23.	D3 COMMON CATHODE
24.	D2 COMMON CATHODE
25.	D1 COMMON CATHODE
26.	ANODE A (D3)
27.	ANODE F (D3)
28.	ANODE B (D3)
29.	ANODE A (D2)
30.	ANODE F (D2)
31.	ANODE B (D2)
32.	D1 COMMON CATHODE
33.	ANODE B (D1)
34.	ANODE A (D1)
35.	ANODE G (D1)
36.	ANODE F (D1)

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