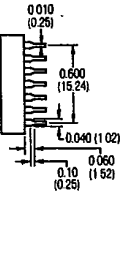
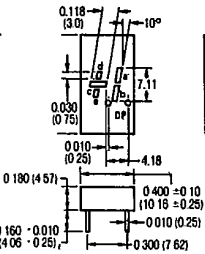
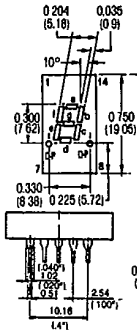


# HIGH EFFICIENCY & ULTRA BRIGHT NUMERICS

**.3" DIGIT SIZE - R.H./L.H.D.P.**

T-41-33

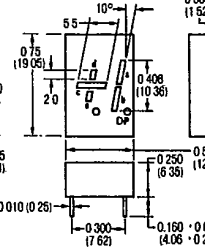
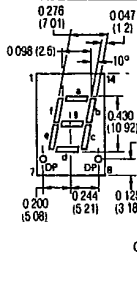
PART NO.	MATERIAL	PEAK WAVE-LENGTH λ P (nm)	EMITTED COLOR	MAXIMUM RATINGS					OPTO-ELECTRICAL CHARACTERISTICS							
				I <sub>F</sub> (DC/seg.) (mA)	*I <sub>F</sub> (I <sub>pp</sub> /seg.) (mA)	V <sub>R</sub> (V)	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)	V <sub>F</sub> (I <sub>F</sub> at 10 mA) (V)			I <sub>R</sub> (μA)	V <sub>R</sub> (V)	I <sub>V</sub> (per seg.) (mcd)		
									min.	typ.	max.			min.	typ.	at mA
MTN3320-CHR	GaAsP/GaP	635	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.7	2.0	2.5	5	6	.39	1.17	10
MTN3330-AHR	GaAsP/GaP	635	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.7	2.0	2.5	5	6	.39	1.17	10
MTN3350-AHR	GaAsP/GaP	635	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.7	2.0	2.5	5	6	.39	1.17	10
MTN3340-HR	GaAsP/GaP	635	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.7	2.0	2.5	5	6	.39	1.17	10
MTN3320-CUR	GaAlAs	660	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.4	1.7	2.1	5	6	.64	1.92	10
MTN3330-AUR	GaAlAs	660	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.4	1.7	2.1	5	6	.64	1.92	10
MTN3350-AUR	GaAlAs	660	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.4	1.7	2.1	5	6	.64	1.92	10
MTN3340-UR	GaAlAs	660	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.4	1.7	2.1	5	6	.64	1.92	10



<b>MTN3320</b> <b>COMMON CATHODE</b> PIN# FUNCTION 1. COMMON CATHODE 2. ANODE F 3. ANODE G 4. ANODE E 5. ANODE D 6. COMMON CATHODE 7. ANODE DP 8. ANODE C 9. ANODE B 10. ANODE A 11. NO PIN 12. NO PIN 13. NO PIN 14. NO PIN	<b>MTN3330</b> <b>COMMON ANODE</b> FUNCTION CATHODE A CATHODE F COMMON ANODE NO PIN NO PIN NO CONNECTION CATHODE E CATHODE D CATHODE DP CATHODE C CATHODE G NO PIN CATHODE B COMMON ANODE	<b>MTN3350</b> <b>COMMON ANODE</b> FUNCTION CATHODE A CATHODE F COMMON ANODE NO PIN NO PIN CATHODE DP CATHODE E CATHODE D NO CONNECTION CATHODE C CATHODE G NO PIN CATHODE B COMMON ANODE	<b>MTN3340</b> FUNCTION ANODE D NO PIN CATHODE D CATHODE C CATHODE E ANODE E ANODE C ANODE DP NO PIN CATHODE DP CATHODE B CATHODE A ANODE A ANODE B
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**.43" DIGIT SIZE - R.H./L.H.D.P.**

PART NO.	MATERIAL	PEAK WAVE-LENGTH λ P (nm)	EMITTED COLOR	MAXIMUM RATINGS					OPTO-ELECTRICAL CHARACTERISTICS							
				I <sub>F</sub> (DC/seg.) (mA)	*I <sub>F</sub> (I <sub>pp</sub> /seg.) (mA)	V <sub>R</sub> (V)	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)	V <sub>F</sub> (I <sub>F</sub> at 10 mA) (V)			I <sub>R</sub> (μA)	V <sub>R</sub> (V)	I <sub>V</sub> (per seg.) (mcd)		
									min.	typ.	max.			min.	typ.	at mA
MTN3420-CHR	GaAsP/GaP	635	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.7	2.0	2.5	5	6	.26	.78	10
MTN3430-AHR	GaAsP/GaP	635	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.7	2.0	2.5	5	6	.26	.78	10
MTN3450-AHR	GaAsP/GaP	635	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.7	2.0	2.5	5	6	.26	.78	10
MTN3440-HR	GaAsP/GaP	635	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.7	2.0	2.5	5	6	.26	.78	10
MTN3420-CUR	GaAlAs	660	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.4	1.7	2.1	5	6	.44	1.32	10
MTN3430-AUR	GaAlAs	660	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.4	1.7	2.1	5	6	.44	1.32	10
MTN3450-AUR	GaAlAs	660	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.4	1.7	2.1	5	6	.44	1.32	10
MTN3440-UR	GaAlAs	660	Red	20	110	6	-40 ~ 85	-40 ~ 85	1.4	1.7	2.1	5	6	.44	1.32	10



<b>MTN3420</b> <b>COMMON CATHODE</b> PIN# FUNCTION 1. ANODE A 2. ANODE F 3. COMMON CATHODE 4. NO PIN 5. NO PIN 6. NO CONNECTION 7. ANODE E 8. ANODE D 9. ANODE DP 10. ANODE C 11. ANODE G 12. NO PIN 13. ANODE B 14. COMMON CATHODE	<b>MTN3430</b> <b>COMMON ANODE</b> FUNCTION CATHODE A CATHODE F COMMON ANODE NO PIN NO PIN NO CONNECTION CATHODE E CATHODE D CATHODE DP CATHODE C CATHODE G NO PIN ANODE B COMMON ANODE	<b>MTN3450</b> <b>COMMON ANODE</b> FUNCTION CATHODE A CATHODE F COMMON ANODE NO PIN NO PIN CATHODE DP CATHODE E CATHODE D NO CONNECTION CATHODE C CATHODE G NO PIN CATHODE B COMMON ANODE	<b>MTN3440</b> FUNCTION CATHODE D ANODE D NO PIN CATHODE C CATHODE E ANODE E ANODE C ANODE DP CATHODE DP CATHODE B CATHODE A NO PIN ANODE A ANODE B
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\*NOTE: Pulse width = 1mS; Duty Ratio 1/10.