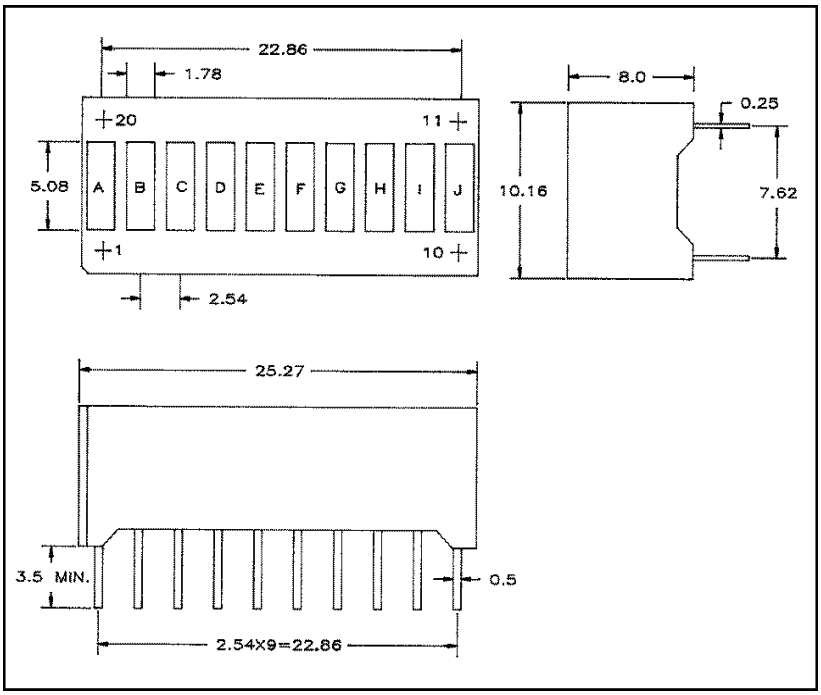
Marktech Bar Graph Array (10 Segment)

Features

Solid state reliability



Series Line−Up

Part Number	Color	Material
MTB10000−G	Yellow Green	GaP
MTB10000−HR	High Efficiency Red	GaAsP
MTB10000−O	High Efficiency Red	GaAsP
MTB10000−RG	Red	GaP
MTB10000−UR	Super Ultra Bright Red	GaAlAs
MTB10000−Y	Pure Yellow	GaAsP

Maximum Ratings (Ta=25ºC)

Part Number	Forward Current I_F	Reverse Voltage V_R	Power Dissipation P_D	Operating Temperature T_{opr}	Storage Temperature T_{stg}
MTB10000−G	30	5	85.00	−25 ~ +85	−25 ~ +100
MTB10000−HR	30	5	85.00	−25 ~ +85	−25 ~ +100
MTB10000−O	30	5	85.00	−25 ~ +85	−25 ~ +100
MTB10000−RG	30	5	85.00	−25 ~ +85	−25 ~ +100
MTB10000−UR	30	4	70.00	−25 ~ +85	−25 ~ +100
MTB10000−Y	30	5	85.00	−25 ~ +85	−25 ~ +100
Unit	**mA**	**V**	**mW**	**°C**	**°C**

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Electrical and Optical Characteristics (Ta=25°C)

Part Number	PWL nm λP	Material	View Angle 2θ1/2	Luminous Intensity Iv				Forward Voltage VF				Rev Current IR	
				min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@
MTB10000-G	567	GaP	–	–	34.00	–	10mA	–	2.10	3.00	20mA	100	5V
MTB10000-HR	635	GaAsP	–	–	39.00	–	10mA	–	2.10	3.00	20mA	100	5V
MTB10000-O	635	GaAsP	–	–	39.00	–	10mA	–	2.10	3.00	20mA	100	5V
MTB10000-RG	700	GaP	–	–	9.00	–	10mA	–	2.10	3.00	20mA	100	5V
MTB10000-UR	660	GaAlAs	–	–	342.00	–	20mA	–	1.90	2.50	20mA	100	4V
MTB10000-Y	585	GaAsP	–	–	28.00	–	10mA	–	2.10	3.00	20mA	100	5V
–	nm	–	deg	mcd			–	V			–	μ A	–

NOTES:

- All Dimensions are in millimeters.
- Tolerance is ±0.25mm unless otherwise stated.
- The slope angle of any pin may be ±5.0° MAX.
- Specifications are subject to change without notice.

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