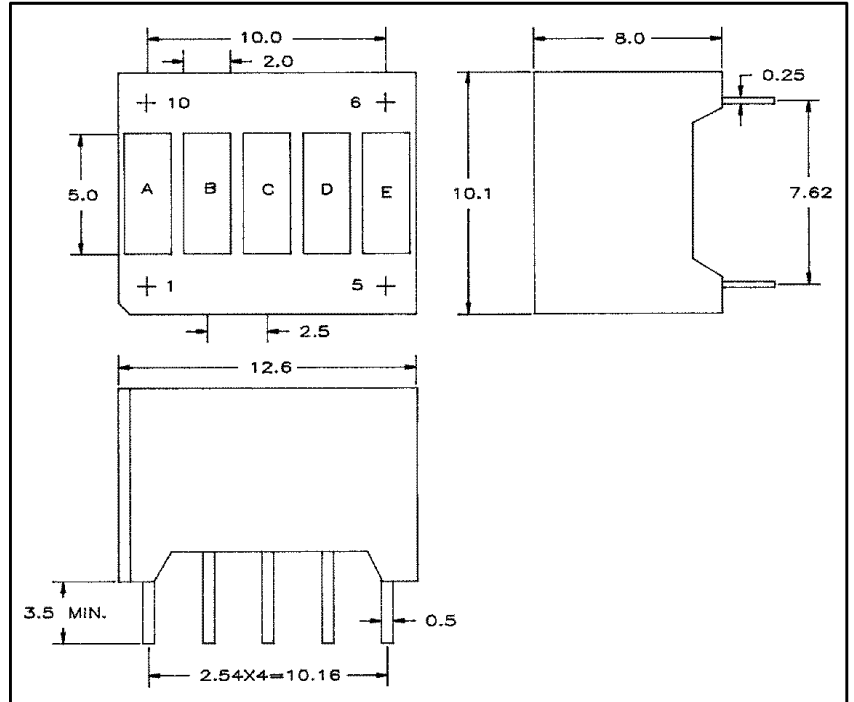


**Features**

Solid state reliability



**Series Line-Up**

Part Number	Color	Material
MTB5000-G	Yellow Green	GaP
MTB5000-HR	High Efficiency Red	GaAsP
MTB5000-O	High Efficiency Red	GaAsP
MTB5000-RG	Red	GaP
MTB5000-UR	Ultra Bright Red	GaAlAs
MTB5000-Y	Pure Yellow	GaAsP

**Maximum Ratings (Ta=25°C)**

Part Number	Forward Current I <sub>F</sub>	Reverse Voltage V <sub>R</sub>	Power Dissipation P <sub>D</sub>	Operating Temperature T <sub>opr</sub>	Storage Temperature T <sub>stg</sub>
MTB5000-G	30	5	85.00	-25 ~ +85	-25 ~ +100
MTB5000-HR	30	5	85.00	-25 ~ +85	-25 ~ +100
MTB5000-O	30	5	85.00	-25 ~ +85	-25 ~ +100
MTB5000-RG	30	5	85.00	-25 ~ +85	-25 ~ +100
MTB5000-UR	30	4	70.00	-25 ~ +85	-25 ~ +100
MTB5000-Y	30	5	85.00	-25 ~ +85	-25 ~ +100
<b>Unit</b>	<b>mA</b>	<b>V</b>	<b>mW</b>	<b>°C</b>	<b>°C</b>

## Electrical and Optical Characteristics (Ta=25°C)

Part Number	PWL nm $\lambda_P$	Material	View Angle $2\theta_{1/2}$	Luminous Intensity $I_v$				Forward Voltage $V_F$				Rev Current $I_R$	
				min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@
MTB5000-G	567	GaP	-	-	34.00	-	10mA	-	2.10	3.00	20mA	100	5V
MTB5000-HR	635	GaAsP	-	-	39.00	-	10mA	-	2.10	3.00	20mA	100	5V
MTB5000-O	635	GaAsP	-	-	39.00	-	10mA	-	2.10	3.00	20mA	100	5V
MTB5000-RG	700	GaP	-	-	9.00	-	10mA	-	2.10	3.00	20mA	100	5V
MTB5000-UR	660	GaAlAs	-	-	34.20	-	20mA	-	1.90	2.50	20mA	100	4V
MTB5000-Y	585	GaAsP	-	-	28.00	-	10mA	-	2.10	3.00	20mA	100	5V
-	nm	-	deg	mcd				-	V		-	$\mu A$	-

### NOTES:

- All Dimensions are in millimeters.
- Tolerance is  $\pm 0.25\text{mm}$  unless otherwise stated.
- The slope angle of any pin may be  $\pm 5.0^\circ$  MAX.
- Specifications are subject to change without notice.