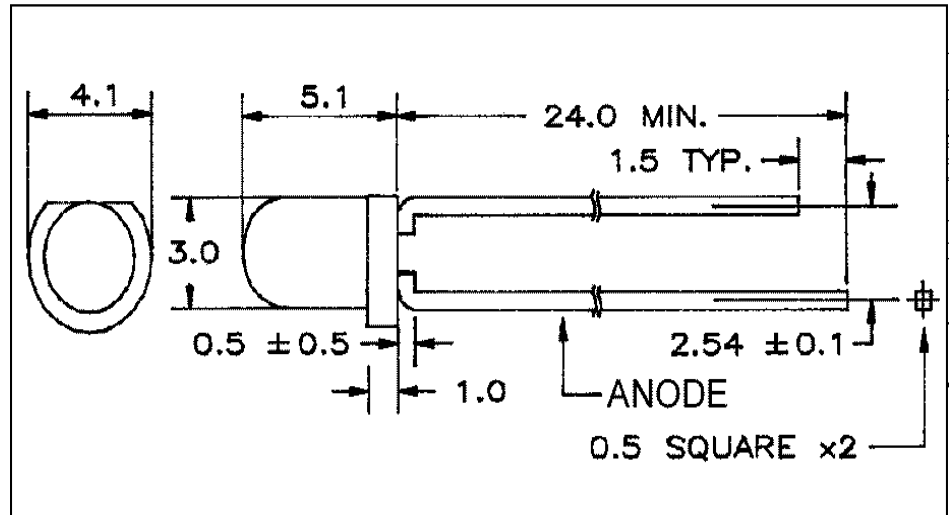




Marktech 3mm Ultra Bright Red LEDs

Features

High intensity red light emission
Choice of lens color
Available in two materials
Can be packaged on tape in a reel or in a box



Series Line-Up

Part Number	Color	Material
MT7103-UR	Ultra Bright Red	GaAlAs
MT7103A-UR	Super Ultra Bright Red	GaAlAs
MT7203-UR	Super Ultra Bright Red	GaAlAs
MT7203A-UR	Ultra Bright Red	GaAlAs
MT7303-UR	Super Ultra Bright Red	GaAlAs
MT7303A-UR	Super Ultra Bright Red	GaAlAs
MT7403-UR	Ultra Bright Red	GaAlAs
MT7403A-UR	Super Ultra Bright Red	GaAlAs

Maximum Ratings (Ta=25°C)

Part Number	Forward Current I _F	Reverse Voltage V _R	Power Dissipation P _D	Operating Temperature T _{opr}	Storage Temperature T _{stg}
MT7103-UR	30	4	70.00	-25 ~ +85	-25 ~ +100
MT7103A-UR	30	4	70.00	-25 ~ +85	-25 ~ +100
MT7203-UR	30	4	70.00	-25 ~ +85	-25 ~ +100
MT7203A-UR	30	4	70.00	-25 ~ +85	-25 ~ +100
MT7303-UR	30	4	70.00	-25 ~ +85	-25 ~ +100
MT7303A-UR	30	4	70.00	-25 ~ +85	-25 ~ +100
MT7403-UR	30	4	70.00	-25 ~ +85	-25 ~ +100
MT7403A-UR	30	4	70.00	-25 ~ +85	-25 ~ +100
Unit	mA	V	mW	°C	°C

Company Headquarters
120 Broadway
Menands, New York 12204
Toll Free: 800.984.5337
Fax: 518.432.7454



Web: www.marktechopto.com | Email: info@marktechopto.com

West Coast Sales Office
100 Oceangate Blvd. #1200
Long Beach, CA 90802
Toll Free: 800.984.5337
Fax: 562.628.5572



Marktech 3mm Ultra Bright Red LEDs

Electrical and Optical Characteristics (Ta=25°C)

Part Number	PWL nm λ_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@
MT7103-UR	660	GaAlAs	54°	108.00	180.00	-	20mA	-	1.90	2.50	20mA	100	4V
MT7103A-UR	660	GaAlAs	54°	210.00	350.00	-	20mA	-	1.90	2.50	20mA	100	4V
MT7203-UR	660	GaAlAs	54°	108.00	180.00	-	20mA	-	1.90	2.50	20mA	100	4V
MT7203A-UR	660	GaAlAs	54°	210.00	350.00	-	20mA	-	1.90	2.50	20mA	100	4V
MT7303-UR	660	GaAlAs	46°	360.00	600.00	-	20mA	-	1.90	2.50	20mA	100	4V
MT7303A-UR	660	GaAlAs	46°	720.00	1200.00	-	20mA	-	1.90	2.50	20mA	100	4V
MT7403-UR	660	GaAlAs	46°	360.00	600.00	-	20mA	-	1.90	2.50	20mA	100	4V
MT7403A-UR	660	GaAlAs	46°	720.00	1200.00	-	20mA	-	1.90	2.50	20mA	100	4V
-	nm	-	deg	mcd				-	V		-	mA	-

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