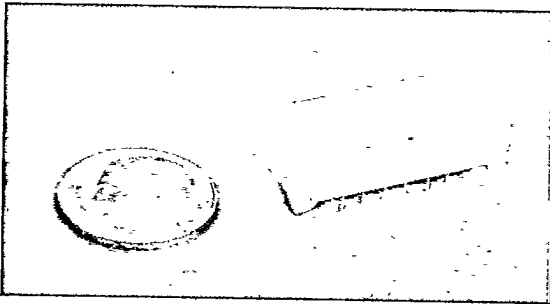




LED Displays

BAR GRAPHS, ARRAYS

T-41-31



FEATURES

- New dual color 10 position bar graph
- 10 position bar graphs in red, green, and yellow
- Uniform brightness
- Applications: Status displays for Industrial and Instrumentation products

Number of Positions	Number of Rows	Dual Color			Number of Pins
		Red - Green			
10	1	AND10KHGL			12
Number of Positions	Number of Rows	Color			Number of Pins
		Red	Green	Yellow	
10	1	AND10KRL	AND10KGL	AND10KYL	20
10	1	AND10KSL	-	-	20
5	1	AND208-5R	AND208-5G	-	10

Absolute Maximum Ratings (T = 25°C)

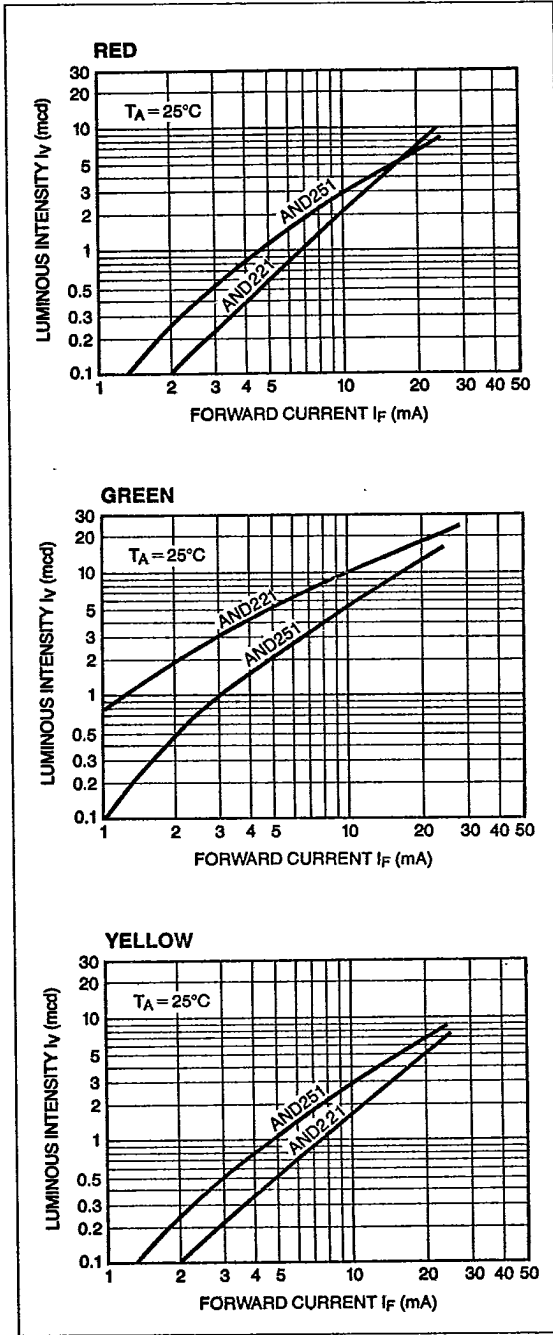
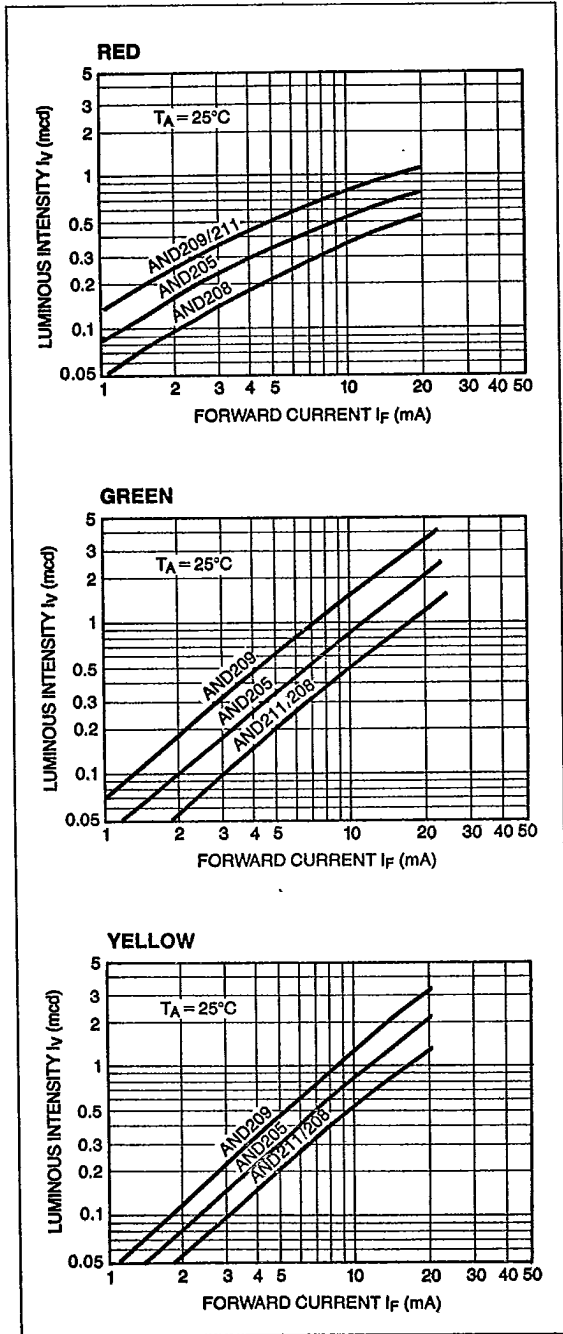
Characteristic	Symbol	AND208-5X	AND10KXL	Unit
DC Forward Current/Segment	$I_F(DC)/SEG$	20	30	mA
Pulse Forward Current/Segment	I_{FP}/SEG	25	30	mA
Reverse Voltage/Segment	V_R	4	5	V
Operating Temperature Range	T_{opr}	-20 to +75	-40 to +85	°C
Storage Temperature Range	T_{stg}	-30 to +100	-40 to +85	°C

Electro-Optical Characteristics

Characteristics		Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage							
AND10KHGL		V_F	$I_F = 20mA$		2	3	V
AND10KXL		V_F	$I_F = 10mA$		2	3	V
AND208-5		V_F	$I_F = 20mA$		2.2	2.8	V
Reverse Current							
AND10KHGL		I_R	$V_R = 5V$			100	μA
AND10KXL, AND208-5		I_R	$V_R = 4V$			100	μA
Luminous Intensity/Segment							
AND10KHGL	Red	I_V	$I_F = 10mA$	0.54	0.9		mcd
AND10KHGL	Green	I_V	$I_F = 10mA$	1.1	1.85		mcd
AND10KRL	Red	I_V	$I_F = 15mA$	0.49	0.7		mcd
AND10KSL	Red	I_V	$I_F = 15mA$	1	2		mcd
AND10KGL	Green	I_V	$I_F = 15mA$	1.4	2		mcd
AND10KYL	Yellow	I_V	$I_F = 15mA$	1.1	1.7		mcd
AND208-5R	Red	I_V	$I_F = 15mA$	0.3	0.6		mcd
AND208-5G	Green	I_V	$I_F = 15mA$	0.5	1.2		mcd
Peak Emission Wave Length							
AND10KHGL		λ_P	$I_F = 10mA$	700	567	585	nm
AND10KXL		λ_P	$I_F = 10mA$	655	567	585	nm
AND10KSL		λ_P	$I_F = 10mA$	635			nm
AND208-5X		λ_P	$I_F = 15mA$	700	565	585	nm
Spectral Line Half Width							
AND10KXL		$\Delta\lambda$	$I_F = 10mA$	40	30	35	nm
AND208-5X		$\Delta\lambda$	$I_F = 15mA$	100	35	30	nm



AND208-5 Series





AND10K Series

