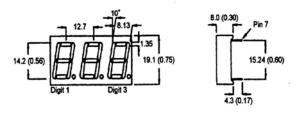
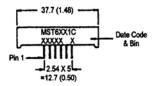


BRIGHT RED MST6111C, MST6141C GREEN MST6411C, MST6441C HIGH EFF. RED MST6911C, MST6941C

PACKAGE DIMENSIONS





FEATURES

Easy to read digit Common anode or cathode Low power consumption Highly visible bold segments High brightness with high contrast White segments on a grey face for MST64X1C and MST61X1C. Red segments and red face for MST69X1C Directly compatible with integrated circuits Rugged plastic/epoxy construction

APPLICATIONS

Digital readout displays Instrument panels

NOTES: Dimensions are in mm (inch). All pins are 0.5 (0.02) diameter Tolerances are ± 0.25 (0.1) unless otherwise noted.

MODEL NUMBERS

Part number	Color	Description			
MST6111C	Bright Red	Common Anode; right hand decimal			
MST6141C	Bright Red	Common Cathode; right hand decimal			
MST6411C	Green	Common Anode; right hand decimal			
MST6441C	Green	Common Cathode; right hand decimal			
MST6911C	High Efficiency Red	Common Anode; right hand decimal			
MST6941C	High Efficiency Red	Common Cathode; right hand decimal			
(For other color options, contact your local area Salas Offica)					

(For other color options, contact your local area Sales Office)



ABSOLUTE MAXIMUM RATING (TA=25°C unless otherwise specified)

	B Bad	Green	Link Fff Dad		
	B.Red	Green	High Eff. Red		
	MST	MST	MST		
	6111C	6411C	6911C		
Part number	6141C	6441C	6941C	Unit	
Continuous forward current (I _f)					
Per Segment	15	30	30	mA	
Peak forward current per die (I _f) 6 (at f = 10.0 KHz, Duty factor = 1/10)		90	90	mA	
Power dissipation (P _p)	40*	70*	70*	mW	
*Derate Linearly from 25°C	0.17	0.33	0.33	mW/°C	
Reverse voltage per dice				5V	
Operating and Storage temperat					
Lead soldering time (at 1/16 inch from the bottom of lamp)					

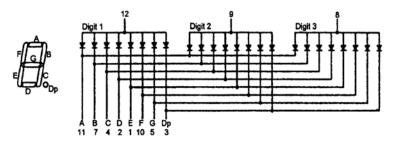
ELECTRO - OPTICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified)

	Bright Red MST 6111C	Green MST 6411C	High Eff. Red MST 6911C	Test
Part number	6141C	6441C	6941C	Condition
Luminous intensity (ucd)				
minimum	300	800	900	l, = 20mA
typical	700	2200	2200	l, = 20mA
Forward voltage (V,)				
typical	2.1	2.1	2.0	l, = 20mA
maximum	2.6	2.8	2.8	
Peak wavelength (nm)	697	570	635	l, = 20mA
Spectral line half width (nm)	90	30	45	l, = 20mA
Reverse breakdown voltage (V _R) 5		5	5	i _r =100uA

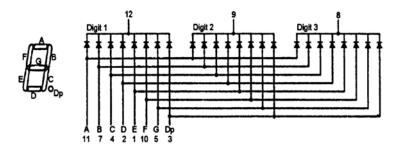


PINOUT

MST6X11C - Common Anode

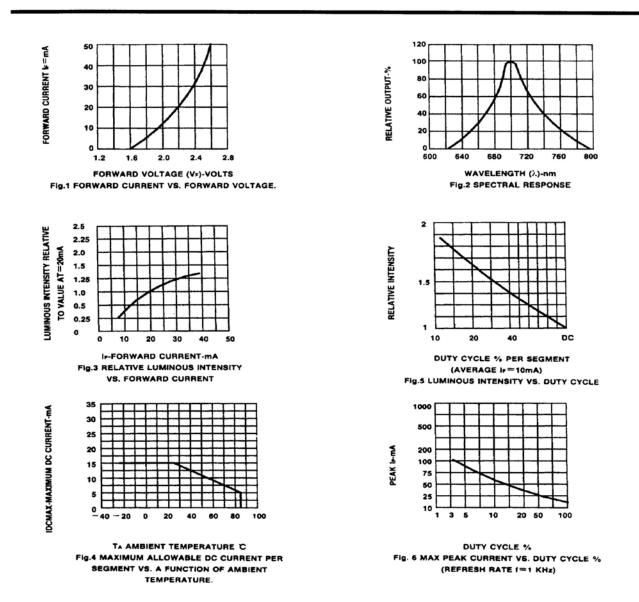


MST6X41C - Common Cathode



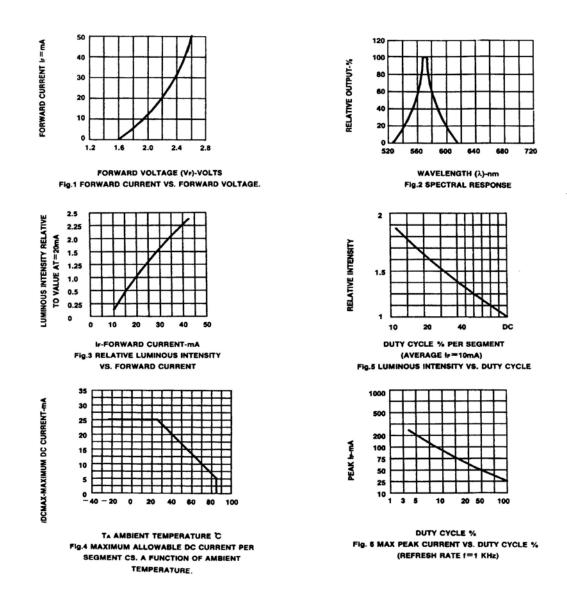


GRAPHICAL DATA - Bright Red (T_A = 25°C unless otherwise specified)





GRAPHICAL DATA - Green (T_A = 25°C unless otherwise specified)





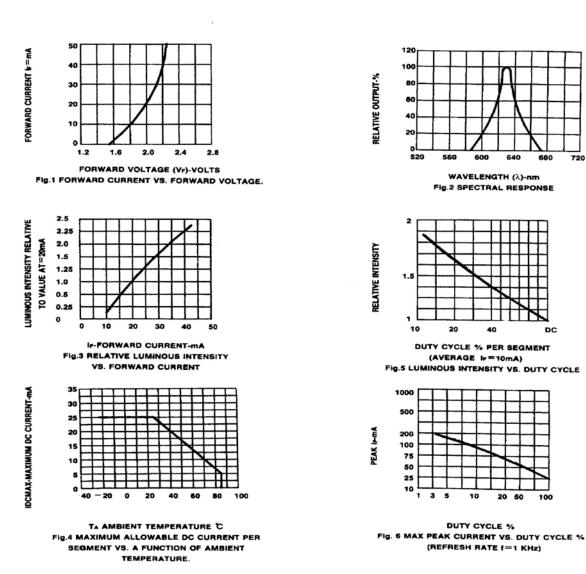
640

680

DC

50 100 720

GRAPHICAL DATA - High Efficiency Red (T_A = 25°C unless otherwise specified)





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