

Change Notice

IS Series

Life of OLED Displays Now 30,000 Hours

Type of Change:

- Engineering Part Number
 Product Appearance



The life of the OLED displays for the IS series SmartSwitch pushbuttons will be doubled from 15,000 to 30,000 hours.

At the same time, the power consumption of the OLED displays has been reduced by 30%.

This change will affect the following product:

ISC15ANP4 OLED 64 x 48 pushbutton

Change of initialization parameters required; no change to outer dimensions

Operating Life (OLED Display)	
Before Change	After Change
15,000 hours @ 100cd/m ² based on 40% pixels on	30,000 hours @ 100cd/m ² based on 40% pixels on 60,000 hours @ 50cd/m ² based on 40% pixels on (candela per square meter)

Power Consumption		(Temperature at 25°C, V _{DD} = 2.8V, V _{CC} = 16.0V)				Unit
Items	Symbols	Before Change		After Change		
		typ.	max.	typ.	max.	
All-Pixels-On Mode *Drive System Power Current	I _{CC1}	5.5	7.0	3.8	4.6	mA
All-Pixels-On Mode *Logic/IF System Power Current	I _{DD1}	0.16	0.2	0.16	0.19	mA

() value for display module

Optical Characteristics			(Temperature at 25°C, Initial Value: 87 x 0F)				
Items		Before Change			After Change		
		Min	Typical	Max	Min	Typical	Max
White Color Coordinate	(x)	0.27	0.31	0.35	0.26	0.30	0.34
	(y)	0.30	0.35	0.40	0.32	0.37	0.42
Red Color Coordinate	(x)	0.60	0.64	0.68	0.63	0.67	0.71
	(y)	0.31	0.35	0.39	0.29	0.33	0.37
Green Color Coordinate	(x)	0.26	0.30	0.34	0.19	0.23	0.27
	(y)	0.59	0.63	0.67	0.61	0.65	0.69
Blue Color Coordinate	(x)	0.10	0.14	0.18	0.10	0.14	0.18
	(y)	0.12	0.18	0.24	0.14	0.20	0.26

Availability

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