

Specification For Approval

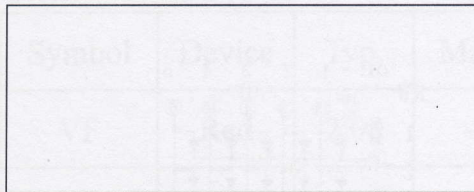
Customer: _____

Description: LED-DOT MATRIX

Part Number: SEM-2057ARBC

Date: 2008-2-18

Approved By:



Prepared By:

Approval	Check	Design	Sales

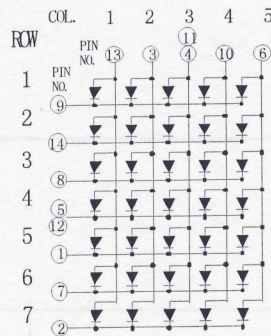
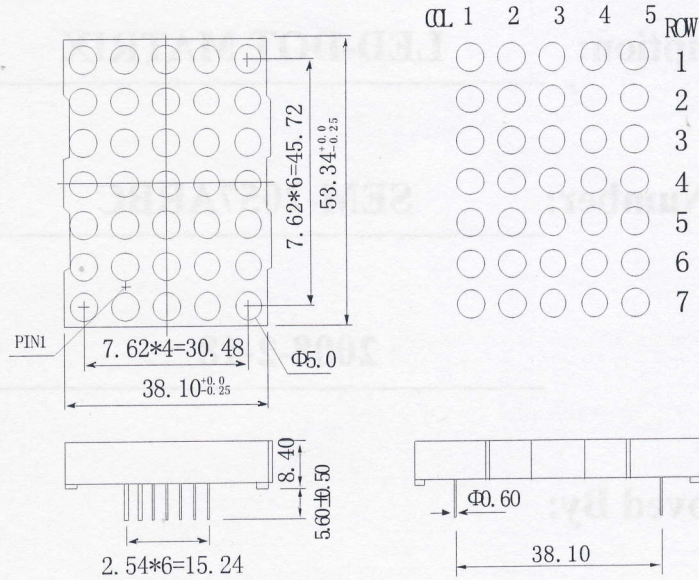
Part Number: SEM-2057ARBC

*** Features**

1. Low power consumption
2. High contrast and light output
3. Easy mounting on PCB or sockets
4. Mechanically rugged
5. RoHS Compliant

*** Package Dimensions**

Unit: mm



*** Selection Guide**

Part Number	Chip		Display		
	Material	Emitting Color	Surface	Colloid	Polarity
SEM-2057ARBC	AlGaAs	Red	Black	Water Clear	CC

Technical Specification

Part Number: SEM-2057ARBC

*** Absolute Maximum Ratings at Ta=25°C**

Parameter	Symbol	Red	Unit
Power Dissipation	PD	70	mW
DC Forward Current	IF	30	mA
Peak Forward Current(1)	IFP	80	mA
Reverse Voltage	VR	5	V
Operating / Storage Temperature	-40°C ~ +80°C		
Lead Soldering Temperature	260°C for 5 Seconds		

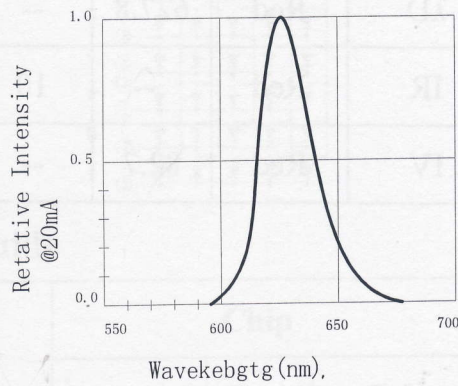
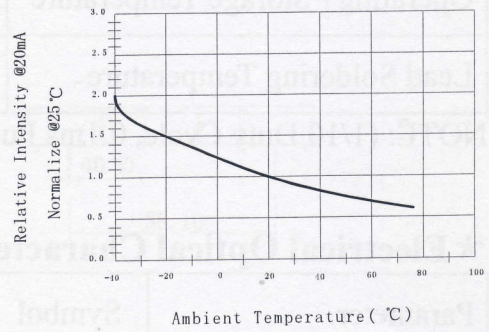
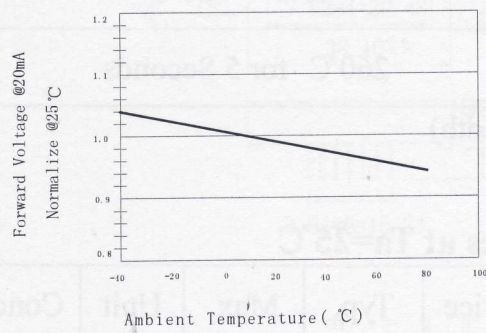
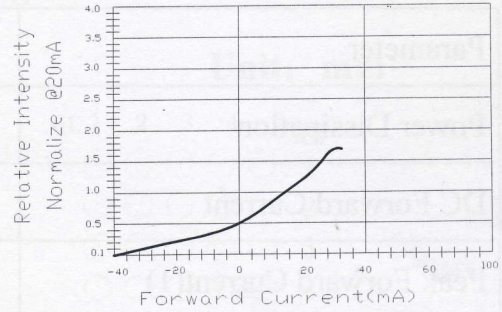
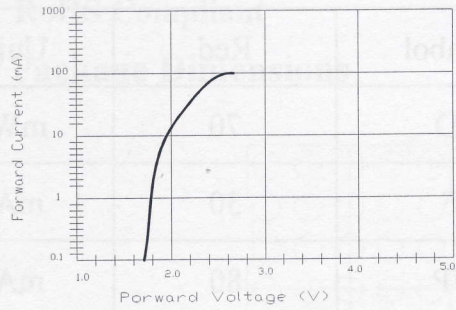
NOTE: (1/10 Duty Cycle, 0.1ms Pulse Width)

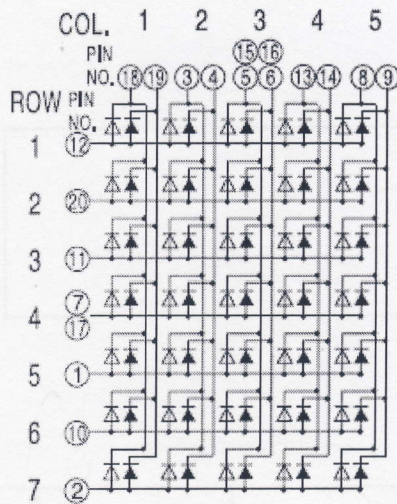
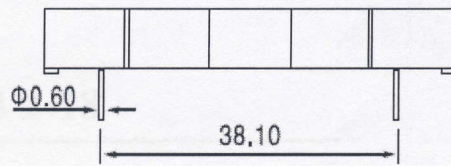
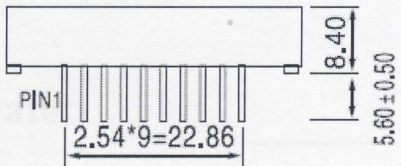
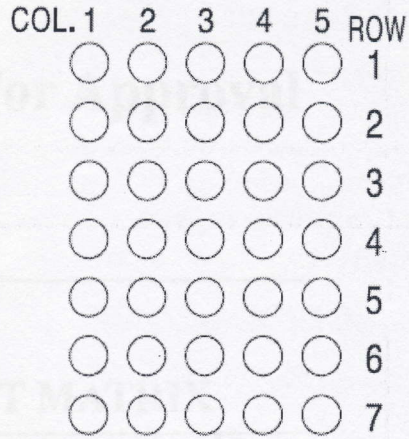
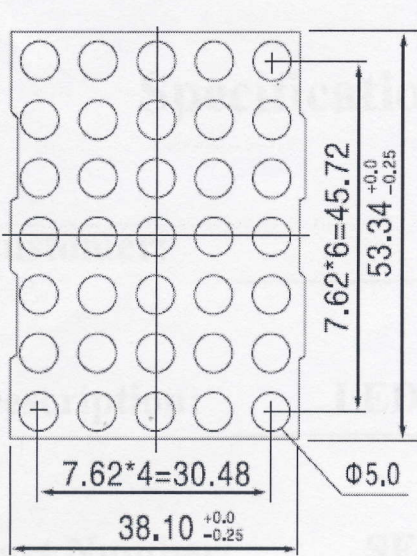
*** Electrical Optical Characteristics at Ta=25°C**

Parameter	Symbol	Device	Typ.	Max.	Unit	Condition
Forward Voltage	VF	Red	2.08	--	V	If=20mA
Dominant Wavelength	λ_D	Red	627.8	--	nm	If=20mA
Reverse Current	IR	Red	--	10	μ A	VR=5V
Luminous Intensity	IV	Red	82.7	--	mcd	If=20mA

Part Number: SEM-2057ARBC

*** Red**





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Prepared By:

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Check

Design

Sales