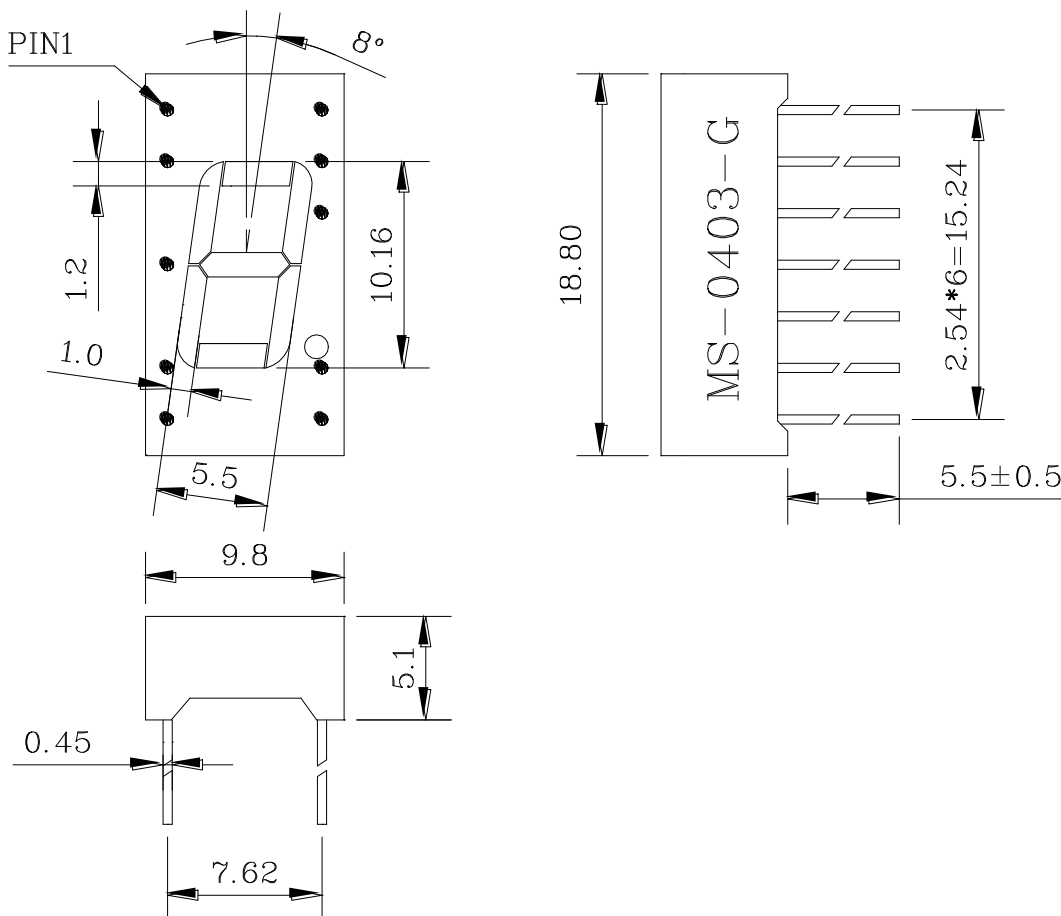


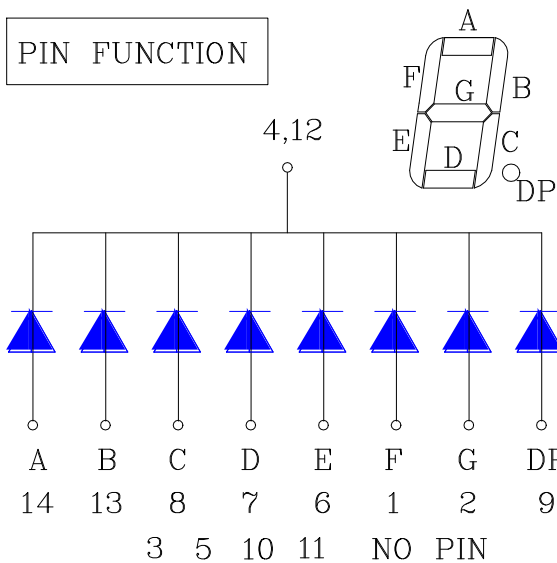
Date: 2003/02/10

Part No:MS-4003-SR-GW

★Pc



NOTE: TOLERANCE ± 0.3 mm



★Sel

Pa

MS-400

Face Color: Grey

Segment Color: White

★ **Absolute Maximum Ratings**

(Ta=25°C)

Parameter	Symbol	MAX. Rating	Unit
Power Dissipation	Pd	80	mW
Continuous Forward Current	IF	30	mA
Peak Forward Current(10 μ s Pulse)	IFM	100	mA
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-40~+85	°C
Storage Temperature	Tstg	-40~+85	°C
Lead Soldering Temperature: 260°C For 5 SEC			

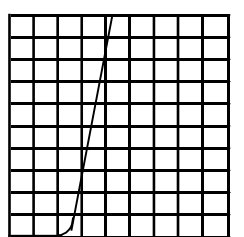
★ **Electric-Optical Characteristics**

Parameter	Symbol	Test Condition	MIN	TYP	MAX	Unit
Forward Voltage	VF	IF=20mA		2.0	2.8	V
Reverse Voltage	VR	IR=10uA	5			V
Luminous Intensity	IV	IF=10mA		3000		μ cd
Peak Emission Wavelength	λ P	IF=20mA		660		nm

★ **Characteristics Diagrams**

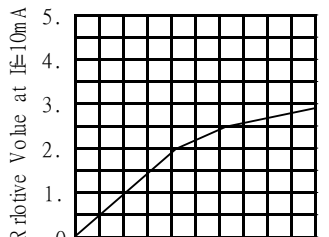
Super Bright

FORWARD CURRENT Vs.
FORWARD VOLTAGE



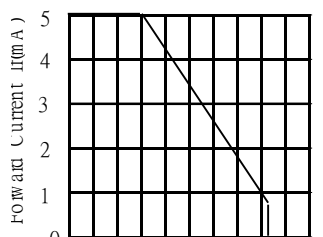
Forward Voltage (V)

LUMINOUS INTENSITY
Vs.



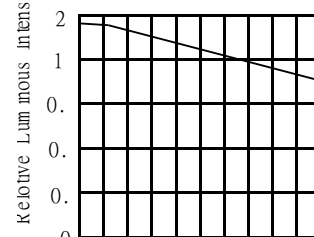
IF-Forward

FORWARD CURRENT
DERATING CURVE



Ambient Temperature TA (°C)

LUMINOUS INTENSITY
Vs.



Ambient Temperature TA (°C)