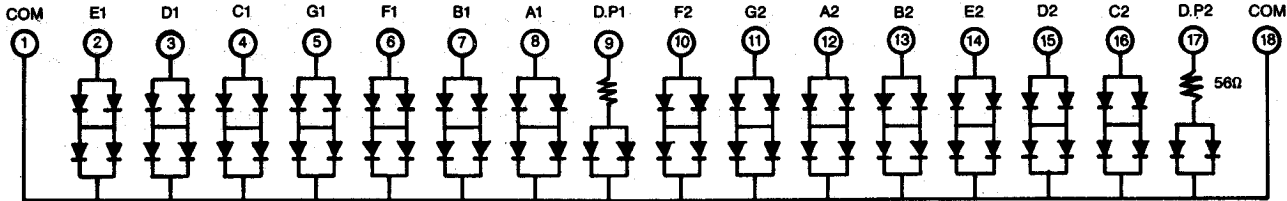
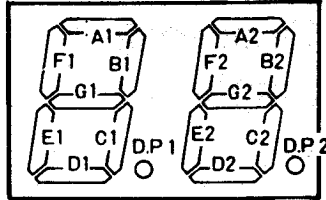
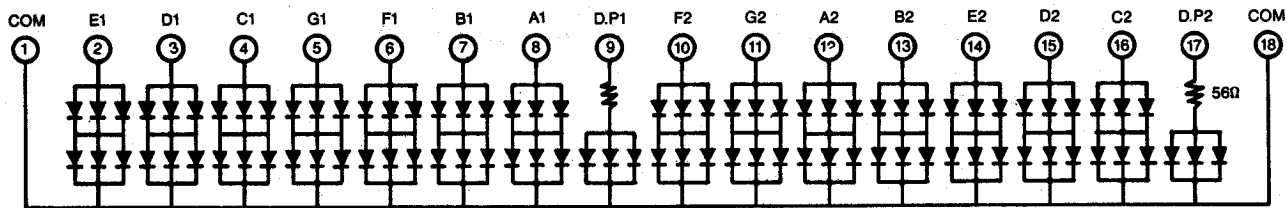


PIN CONNECTIONS



SND-2020 SR2 (STANDARD)



SND-2020 SR3 (SPECIAL)

SND-2027 SR2 / SND-2027 SR3 (Anode Common)

All diodes are reversed polarity

Orange SND 2020SR2/2027SR2 (GaAsP/GaP)

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Maximum rating	Unit
Power dissipation/Total	2400	mW
Power dissipation/Seg	160	mW
Forward current	40	mA
Peak forward current	120*	mA
Reverse voltage	10	V
Operating temperature	-25 ~ +80	$^\circ\text{C}$
Storage temperature	-55 ~ +100	$^\circ\text{C}$

Electrical/Optical Characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Conditions	Min	Typ	Max.	Unit
Forward voltage	V_F	$I_F = 30\text{mA}$	—	3.8	4.0	V
Reverse current	I_R	$V_R = 10\text{V}$	—	—	20	μA
Luminous intensity/Seg	I_v	$I_F = 30\text{mA}$	700	1300	—	μcd
Peak wavelength	λ_P	$I_F = 30\text{mA}$	—	635	—	nm
Spectral line halfwidth	$\Delta\lambda$	$I_F = 30\text{mA}$	—	35	—	nm
Segment intensity matching				9:1		Ratio

Orange SND 2020SR3/2027SR3 (GaAsP/GaP)

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Maximum rating	Unit
Power dissipation/Total	3600	mW
Power dissipation/Seg	240	mW
Forward current	60	mA
Peak forward current	180*	mA
Reverse voltage	10	V
Operating temperature	-25 ~ +80	$^\circ\text{C}$
Storage temperature	-55 ~ +100	$^\circ\text{C}$

Electrical/Optical Characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Conditions	Min	Typ	Max.	Unit
Forward voltage	V_F	$I_F = 45\text{mA}$	—	3.8	4.0	V
Reverse current	I_R	$V_R = 10\text{V}$	—	—	30	μA
Luminous intensity/Seg	I_v	$I_F = 45\text{mA}$	1200	2500	—	μcd
Peak wavelength	λ_P	$I_F = 45\text{mA}$	—	635	—	nm
Spectral line halfwidth	$\Delta\lambda$	$I_F = 45\text{mA}$	—	35	—	nm
Segment intensity matching				9:1		Ratio

* Pulse Width 1 ms
Duty Cycle 1/5