

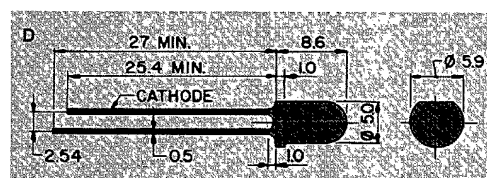
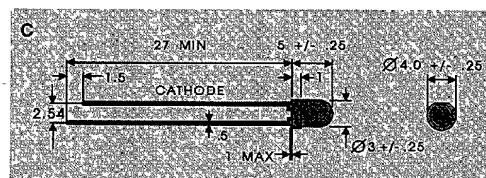
True Orange LEDs

	Line No.	IRLED No.	Size	Lens	Luminous Intensity at 10mA		Viewing Angle	Forward Voltage at 20mA		Reverse Current (V _R =5.0V)	Peak Wave Length at 20mA	Drwg
					Minimum	Typical		Typical	Max			
ORANGE	1	E190	T-1	Diffused	12.5mcd	50mcd	120°	2.0V	2.5V	10μA	610nm	A
ORANGE	2	E191	T-1	Translucent	32.0mcd	200mcd	30°	2.0V	2.5V	10μA	610nm	A
ORANGE	3	E192	T-1¾	Diffused	20.0mcd	80mcd	120°	2.0V	2.5V	10μA	610nm	B
ORANGE	4	E193	T-1¾	Translucent	50.0mcd	200mcd	30°	2.0V	2.5V	10μA	610nm	B
ORANGE	5	E194	T-1¾	Translucent	1500mcd	2500mcd	30°	1.8V	2.3V	50μA	620nm	B

Absolute Maximum Ratings (Ta = 25°C)

	E190-E193	E194
Power Dissipation	105mW	125mW
Continuous forward current	25mA	50mA
Peak forward current (pulse width 10μs, duty cycle ≤1/100)	1.2A	1.2A
Reverse voltage	5.0V	4.0V
Operating & storage temperature	-50°C +100°C	-30°C +85°C

Maximum lead soldering temperature (5mm from body) 260°C for 5 seconds



T-1 and T-1^{3/4} Infrared LEDs: 940nm, 880nm

	Line No.	IRLED No.	Size	Lens	Radiant Power at 20mA		Viewing Angle	Forward Voltage at 20mA		Junction Capacities (V _R =0 f=1MHz)	Peak Wave Length at 20mA	Drwg
					Minimum	Typical		Typical	Max			
Infrared	6	E21	T-1	Clear	0.5mW/cm²	1.0mW/cm²	20°	1.2V	1.5V	90pF	940nm	C
Infrared	7	E22	T-1	Trans Blue	0.65mW/cm²	1.3mW/cm²	20°	1.4V	1.7V	90pF	880nm	C
Infrared	8	E23	T-1¾	Clear	0.5mW/cm²	1.0mW/cm²	20°	1.2V	1.5V	90pF	940nm	D
Infrared	9	E24	T-1¾	Trans Blue	0.65mW/cm²	1.3mW/cm²	20°	1.4V	1.7V	90pF	880nm	D

Absolute Maximum Ratings (Ta = 25°C)

Power Dissipation	100mW
Continuous forward current	50mA
Peak forward current (pulse width 10μs, duty cycle ≤1/100)	1.2A
Reverse voltage	5.0V
Operating & storage temperature	-50°C +100°C
Reverse Current (V _R =5.0V)	10μA

Maximum lead soldering temperature (5mm from body) 260°C for 3 seconds