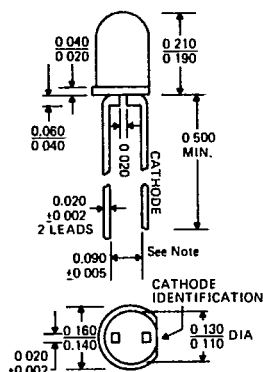


SPRAGUE OPTOELECTRONIC SEMICONDUCTORS**Visible Light Emitting Diodes****T1³/₄ Lamp Size****SERIES ED720**

Lead spacing is measured where the leads emerge from the package.

Series ED720 LEDs consists of a wide variety of lens configurations suitable for many industrial-type circuits. They are intended for use in high-volume, low-cost, high-performance applications.

**ABSOLUTE MAXIMUM RATINGS at 25°C
Free-Air Temperature (all types)**

D-C Forward Current I_F (mA)	Reverse Voltage V_R (Volts)	Power Dissipation		Operating Temperature Range T_{OPR} (°C)	Storage Temperature Range T_{STG} (°C)
		Power P_D (mW)	Derate mW/°C (to +75°C)		
20	5	120	1.8	-40 to +80	-40 to +80

Note: Lead temperature, 1/16" from case for 5 seconds is 230°C maximum.

ELECTRO-OPTICAL CHARACTERISTICS:

Sprague Type Number	Use	Lens Configuration	Emission Color	Material *	Electrical Characteristics @ $T_A = 25^\circ\text{C}$							
					Forward Voltage V_F Max @ I_F (Volts) (mA)		Reverse Current I_R Max @ V_R (μA) (Volts)		Luminous Intensity I_V Typ @ I_F (mcd) (mA)		Wavelength λ_P Typ @ I_F (nm) (mA)	
ED720A	Point Source	Transparent Clear	Amber	GaP	3.0	20	100	5	1.5	20	590	20
ED720G	Point Source	Transparent Clear	Green	GaP	3.0	20	100	5	1.5	20	565	20
ED720H	Point Source	Transparent Clear	Red	GaP	3.0	20	100	5	1.5	20	630	20
ED720J	Point Source	Transparent Clear	Orange	GaP	3.0	20	100	5	1.5	20	600	20
ED720P	Point Source	Transparent Clear	Pale Green	GaP	3.0	20	100	5	1.5	20	550	20
ED720R	Point Source	Transparent Clear	Red	GaAsP	2.1	20	100	5	0.8	20	650	20
ED720Y	Point Source	Transparent Clear	Yellow	GaP	3.0	20	100	5	1.5	20	580	20
ED723A	Point Source	Amber Clear	Amber	GaP	3.0	20	100	5	1.5	20	590	20
ED723G	Point Source	Green Clear	Green	GaP	3.0	20	100	5	1.5	20	565	20
ED723H	Point Source	Red Clear	Red	GaP	3.0	20	100	5	1.5	20	630	20
ED723O	Point Source	Orange Clear	Orange	GaP	3.0	20	100	5	1.5	20	600	20
ED723P	Point Source	Green Clear	Pale Green	GaP	3.0	20	100	5	1.5	20	550	20
ED723R	Point Source	Red Clear	Red	GaAsP	2.1	20	100	5	0.8	20	650	20
ED723Y	Point Source	Yellow Clear	Yellow	GaP	3.0	20	100	5	1.5	20	580	20
ED724A	Indicator	Amber Diffused	Amber	GaP	3.0	20	100	5	1.5	20	590	20
ED724G	Indicator	Green Diffused	Green	GaP	3.0	20	100	5	1.5	20	565	20
ED724H	Indicator	Red Diffused	Red	GaP	3.0	20	100	5	1.5	20	630	20
ED724O	Indicator	Yellow Diffused	Orange	GaP	3.0	20	100	5	1.5	20	600	20
ED724P	Indicator	Green Diffused	Pale Green	GaP	3.0	20	100	5	1.5	20	550	20
ED724R	Indicator	Red Diffused	Red	GaAsP	2.1	20	100	5	0.8	20	650	20
ED724Y	Indicator	Yellow Diffused	Yellow	GaP	3.0	20	100	5	1.5	20	580	20
ED726A	Indicator	Milk White Diffused	Amber	GaP	3.0	20	100	5	1.5	20	590	20
ED726G	Indicator	Milk White Diffused	Green	GaP	3.0	20	100	5	1.5	20	565	20
ED726H	Indicator	Milk White Diffused	Red	GaP	3.0	20	100	5	1.5	20	630	20
ED726O	Indicator	Milk White Diffused	Orange	GaP	3.0	20	100	5	1.5	20	600	20
ED726P	Indicator	Milk White Diffused	Pale Green	GaP	3.0	20	100	5	1.5	20	550	20
ED726R	Indicator	Milk White Diffused	Red	GaAsP	2.1	20	100	5	0.8	20	650	20
ED726Y	Indicator	Milk White Diffused	Yellow	GaP	3.0	20	100	5	1.5	20	580	20
ED728H	Indicator	Red Diffused	Dark Red	GaP	3.0	20	100	5	1.5	20	630	20

*GaP = Gallium Phosphide; GaAsP = Gallium Arsenide Phosphide.