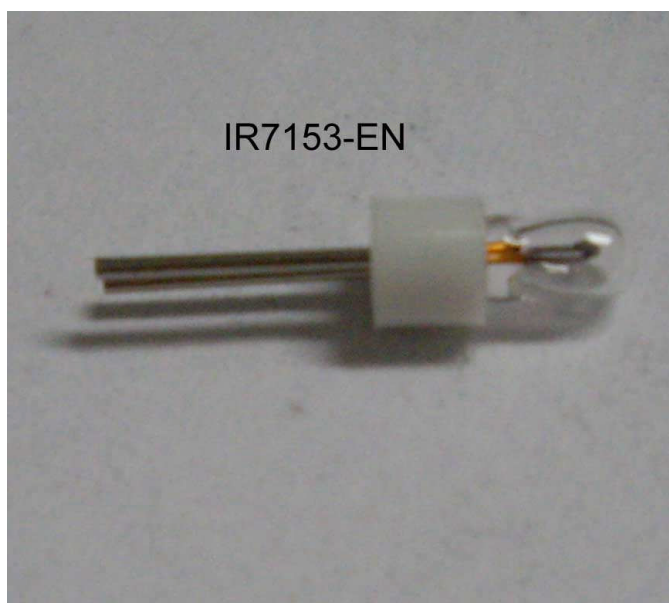


SPECIFICATION IR LAMP

IR7153EN



1. Purpose,Scope

The lamp IR7153EN is cheap and reliable IR sources for nondispersive infrared (NDIR) gas detection by infrared absorption,e.g. for gas like CO₂ and hydrocarbons.This IR lamp combins a small design,good processability and has a long lifetime and meets the requirements of the European Union RoHS(Regulation of Hazardous Substances) Directive.

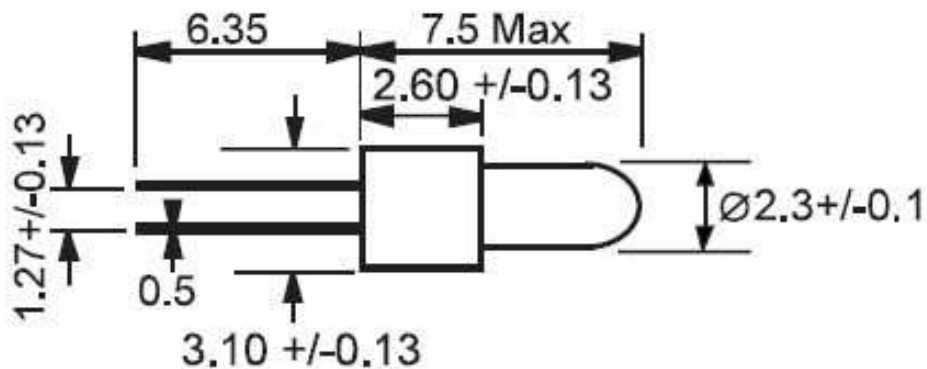
2. Absolute Maximum Ratings

parameter	limits			Units	Conditions
	min	typ	max		
Ambient temperature	-40	25	100	°C	Operation/storage

3. General and Electrical Parameter

Parameter	Value	Tolerance	Units	Conditions
Voltage	5		V	
Current	115	± 10%	mA	
Brightness	0.15	± 15%	MSCP.	
Filament	CC-6			
Average Lifetime	40000		hours	Voltage=5V AC
Color Temperature	2200		K	

4. Lamp Drawing



Bi-Pin

5. Limit spectral range

Due to the glass properties the spectral range of the emitted radiation is limited.

