



FEATURES

- Passive resistance output
- Hermetic sealed

DESCRIPTION

The NSL-06S53 is a Type 5 CdS photoconductive cell in a flat lens TO-18 package.

APPLICATIONS

- Industrial

ABSOLUTE MAXIMUM RATING

(TA)= 23°C UNLESS OTHERWISE NOTED

SYMBOL	PARAMETER	MIN	MAX	UNITS
V _P	Voltage (peak AC or DC)		100	V
P _d	Power Dissipation @ 25°C (1)		50	mW
T _{Op}	Operating Temperature	-60	+75	°C
T _{Stg}	Storage Temperature	-60	+75	°C
T _S	Soldering Temperature (2)		+260	°C

Note:

- (1) Derate linearly to 0 at 75°C
- (2) >0.05" from case for <10 sec.
- (3) Cells light adapted at 30 to 50 Ftc for 16 hrs minimum prior to electrical tests.
- (4) Print "NSL-06S53" and date code "YYWW".

RELIABILITY

Contact API for recommendations on specific test conditions and procedures.

ELECTRO-OPTICAL CHARACTERISTICS

(TA)= 23°C, UNLESS OTHERWISE NOTED

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
R _L	Light Resistance	10 lux (3)	20		100	KΩ
		100 lux		5		KΩ
R _D	Dark Resistance	5 sec after removal of test light.	20			MΩ
λ _P	Spectral Peak			550		nm
Γ	Gamma	1 – 10 Lux		0.7		
Γ	Gamma	10 – 100 Lux		0.7		