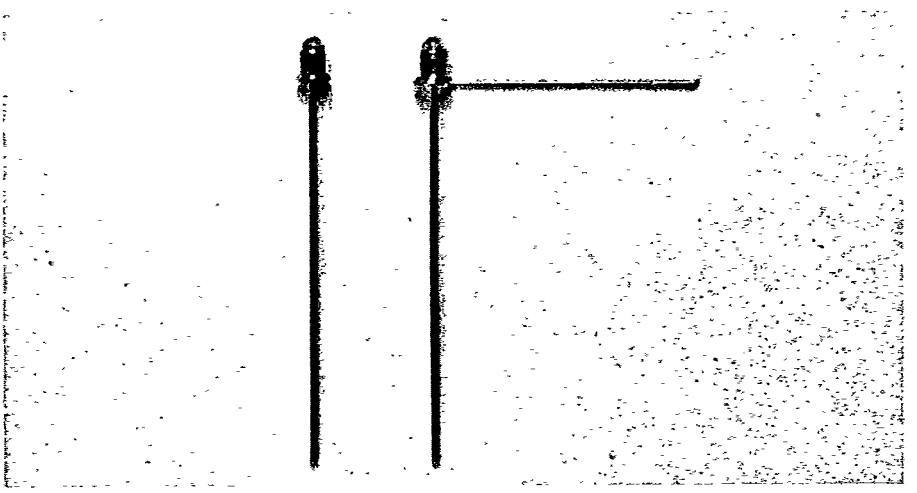
OPTO TECHNOLOGY

TYPE OT 400

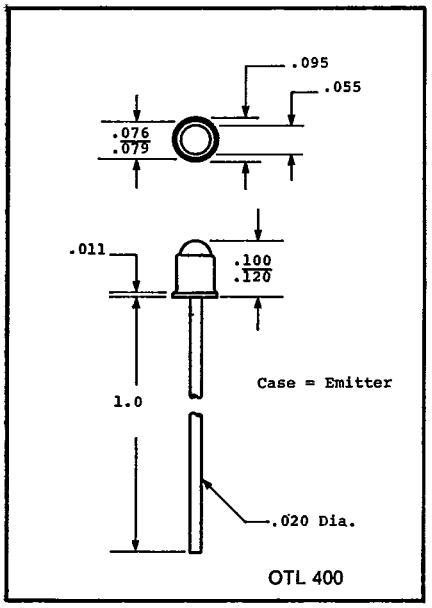
MINIATURE PHOTOTRANSISTOR



NOT ACTUAL SIZE

DESCRIPTION

Opto Technology's OT 400 Sensors feature an NPN silicon phototransistor mounted in a miniature hermetic package. The lensing effect allows an acceptance half angle of 12° measured from the optical axis to the half power point.



OTL 400

ELECTRICAL CHARACTERISTICS: (25°C)

		SYMBOL	MIN.	TYP.	MAX.	UNITS
Light Current* Vce = 5V, H = 5mw/cm²(1)	OT400-1	I_L	1.0	—	—	mA
	OT400-6	I_L	6.0	—	—	mA
Dark Current Vce = 10v, H = 0		I_D	—	—	40	nA
Collector-Emitter Voltage		Vceo	—	—	35	V
Emitter-Collector Voltage		Veco	—	—	6	V
Saturation Voltage I = 1mA		Vce (Sat)	—	—	.5	V
Rise or Fall Time R_L = 100Ω, Vcc = 10V	OT400-1	tr, tf	—	3	—	μS
	OT400-6	tr, tf	—	5	—	μS
Angular Response		ϕ	—	12	—	deg.

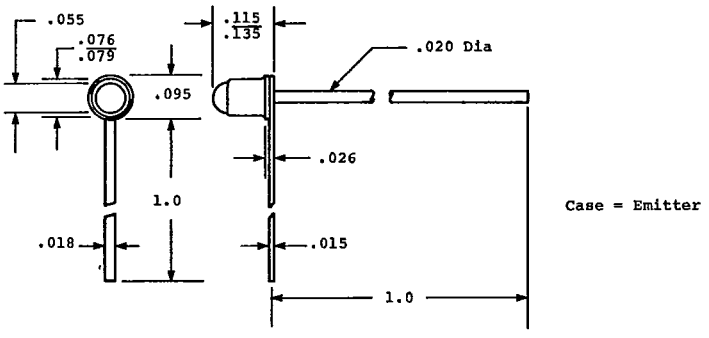
*Special screening available upon request

(1) Light source is unfiltered tungsten bulb operating at CT = 2870°K

Storage Temperature.....—65°C to 150°C

Operating Temperture.....—65°C to 125°C

Lead Soldering Temperature.....5 Sec. @ 240°C



OTL 400L

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