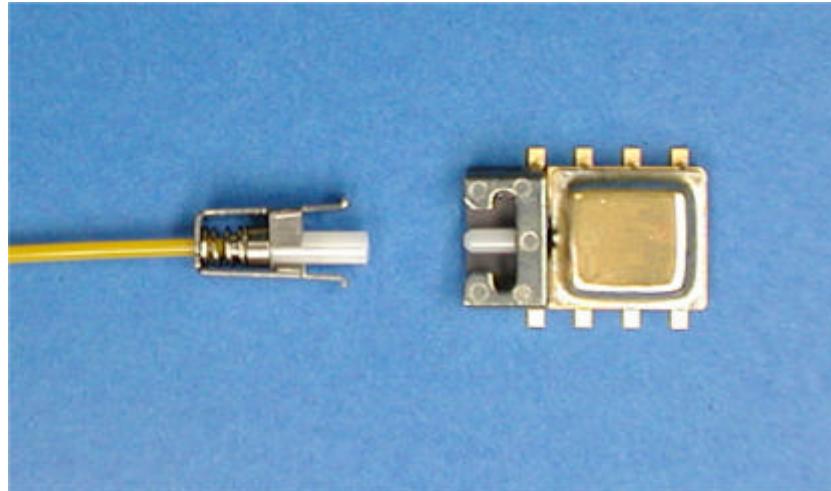


OD-S589A/-S589B

SMT-InGaAs PIN-Amp Module

FEATURES

- Surface Mountable.
- Small Size Flat Ceramic Package (7.6 x 12.7 x 3 mm).
- Operating Speed :
 - OD-S589A (155 Mbps : STM-1/OC3)
 - OD-S589B (622 Mbps : STM-4/OC12)
- High Sensitivity.
- Differential Outputs.
- Internal Supply Bypass Capacitor
- Wide Operating Temperature Range : - 40 to + 85°C..
- Detachable Pigtail Interface.
- Single Supply Voltage from 3.0 to 3.5V.



APPLICATION

- Subscriber Loop.
- Telecommunications.
- Data Communications.
- Local Area Networks.

ABSOLUTE MAXIMUM RATINGS

(Ta=+25°C,unless noted)

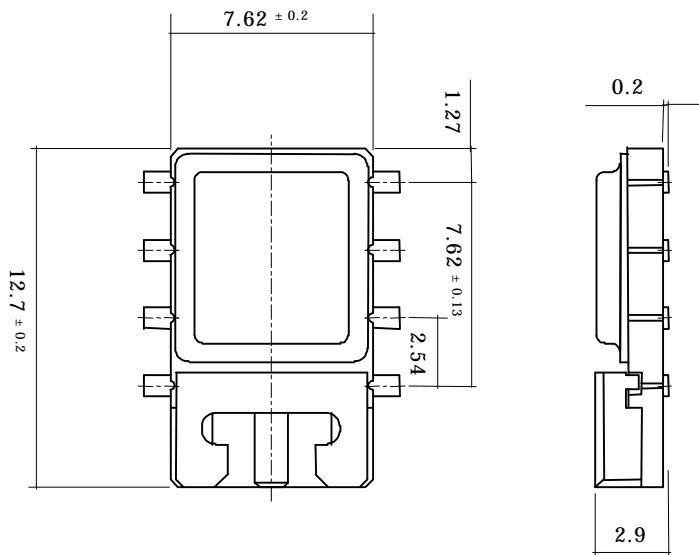
Parameter	Symbol	Unit	Values			Notes
			Min.	Typ.	Max.	
Optical Input Power	Pin	mW	-	2	-	
Supply Voltage	VDD	V	-	+ 5.5	-	
Operating Temperature	Top	°C	- 40	-	+ 85	
Storage Temperature	Tstg	°C	- 40	-	+ 85	
Lead Soldering Temperature	Tsol	°C	-	+230(30sec)	-	reflow soldering

OPTICAL / ELECTRICAL CHARACTERISTICS

(Ta=+25°C, unless noted)

Parameter	Conditions	Unit	OD-S589A			OD-S589B		
			Min.	Typ	Min.	Min.	Typ	Min.
Sensitivity	BER = 10 ⁻¹⁰	dBM	—	— 36	— 35	—	— 31	— 30
	—40~85°C		—	— 32	—	—	—	—
Optical Overload		dBM	— 3	0	—	— 3	0	—
Band Width	3dB down	MHz	100	150	—	500	600	—
Trans Impedance		kΩ	—	44	—	—	21	—
Operating Voltage		V	+ 3.0	+ 3.3	+ 3.5	+ 3.0	+ 3.3	+ 3.5
Responsivity		A/W	—	0.9	—	—	0.9	—

DIMENSIONS (Unit:mm)



DATA SUBJECT TO CHANGE WITHOUT NOTICE

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