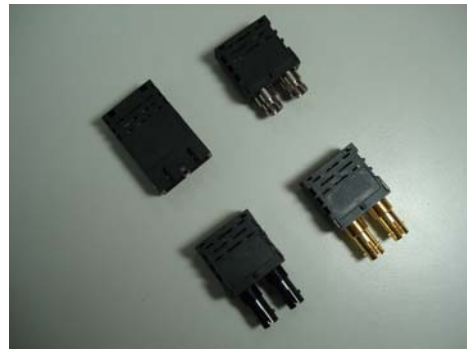


Low Speed Multimode 1300nm Optical Transceiver

Features

- 1300nm LED Transmitter / InGaAs PIN receiver
- Industrial standard 1x9 pin footprint
- Duplex SC/ST/FC single mode connector interface
- RoHS available



Specifications

Parameter	Symbol	Min.	Typ.	Max.	Unit
Transmitter					
Optical Output Power (avg.) ⁽¹⁾	P_o	-19	-16	-	dBm
Forward Current (peak-to-peak)		-	100	-	mA
Forward Voltage		-	1.3	-	V
Optical Wavelength (25°C)	λ_c	1280	-	1340	nm
Spectral Width (25°C)	$\Delta\lambda$	-	-	170	nm
Output Rise Time (10-90%)	t_r	-	-	2.5	ns
Output Fall Time (10-90%)	t_f	-	-	2.5	ns
Receiver					
Optical Input Responsivity ⁽¹⁾	R	0.7	0.8	-	A/W
Spectral Range	λ	1100	-	1600	nm
Output Rise Time (20-80%)	t_r	-	-	1	ns
Output Fall Time (20-80%)	t_f	-	-	1	ns
Dark Current	I_d	-	-	1	nA
Capacitance	C_t	-	-	0.7	pF

Notes :

(1) With 0.275 NA, 62.5/125 μ m fiber.

Absolute Maximum Ratings

Parameter	Min.	Max.	Unit
Operating Temperature	-40	85	°C
Storage Temperature	-40	100	°C
Lead Soldering Limits	-	240/10	°C /sec

Ordering Information

T R 1 3 M 2 - X S 9 R 1 2 G

Connector Type :

SC : SC Connector

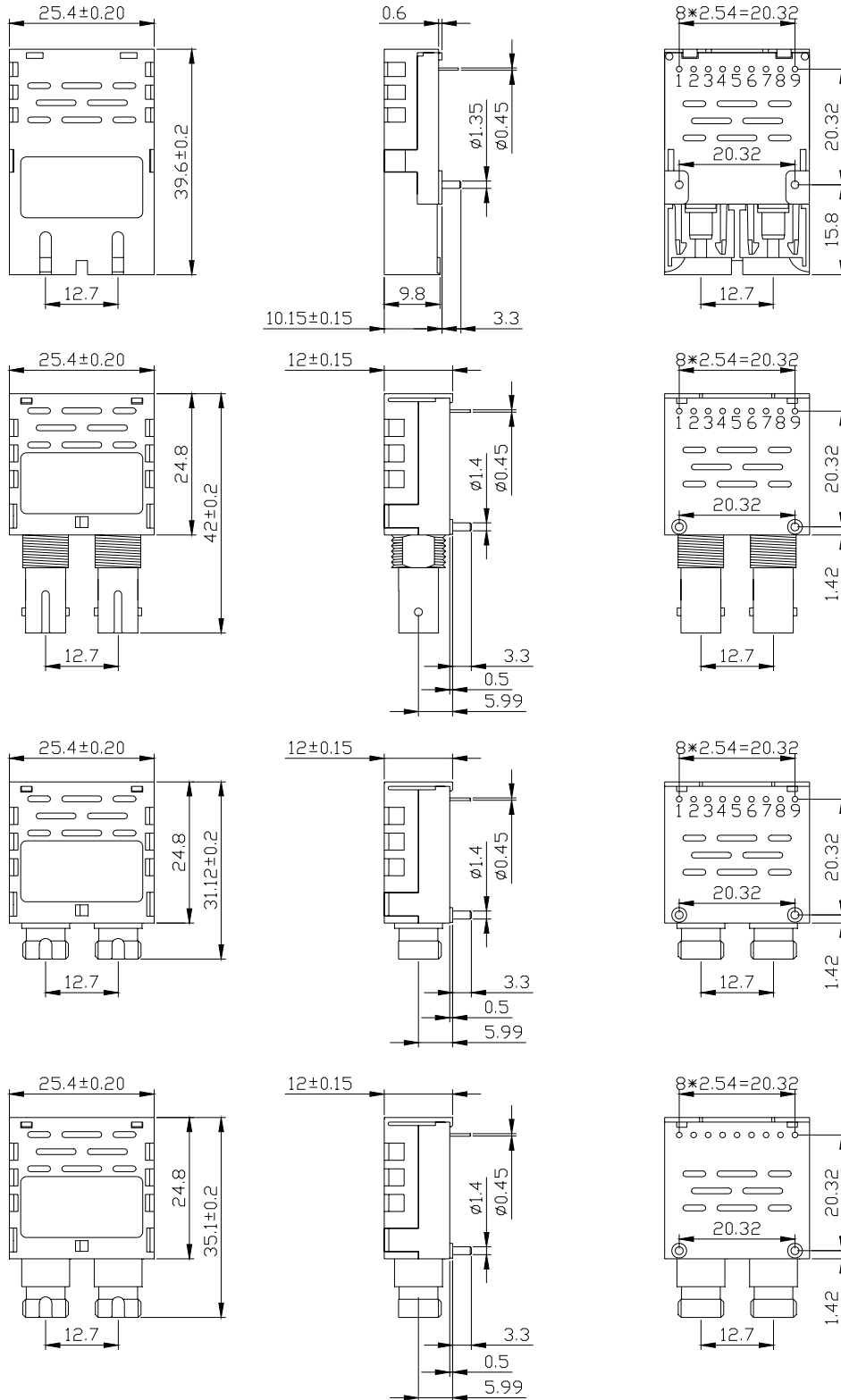
FC : FC Connector

ST : ST Connector

Low Speed Multimode 1300nm Optical Transceiver

Outline Drawing

UNIT : mm



Low Speed Multimode 1300nm Optical Transceiver

Pinout Description

Pin No.	Symbol	Description
1	PD-Gnd	PD Ground
2	PD+	PD Anode
3	PD-	PD Cathode
4	NC	No Connection
5	NC	No Connection
6	NC	No Connection
7	LD-	LD Cathode
8	LD+	LD Anode
9	LD-Gnd	LD Ground

Appointech, Inc.

6F-2, NO.192 Tung-Kuan Rd.,
Hsinchu, Taiwan, R.O.C.

TEL : 886-3-573-8478

FAX : 886-3-573-8441

E-mail : sales@appointech.com

<http://www.appointech.com>