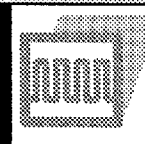


Digital Receiver OC-192/STM-64



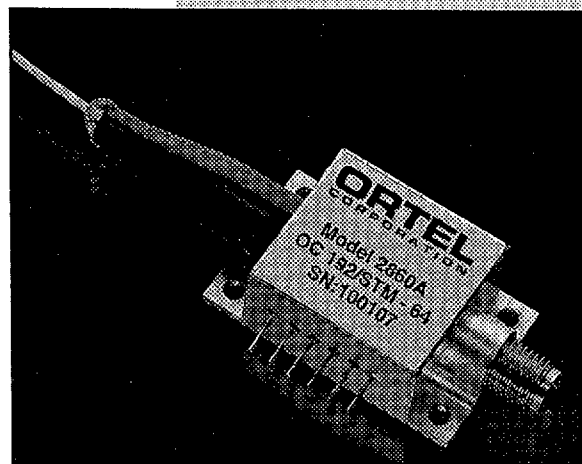
PIN/Preamplifier
Model # 2860A

.....
The 2860A receiver module incorporates a high-speed PIN diode with a GaAs HBT preamplifier to give the best 10 Gb/s sensitivity available in a PIN-based receiver. The unit provides excellent dynamic range with high bandwidth to meet all requirements for high-speed digital systems.

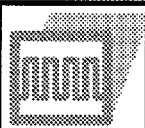
D A T A S H E E T

Features:

- High Sensitivity:
-20 dBm typical
- High Dynamic Range:
>0 dBm Overload
- OC-192/STM-64
Applications
- ISO 9001 Certified



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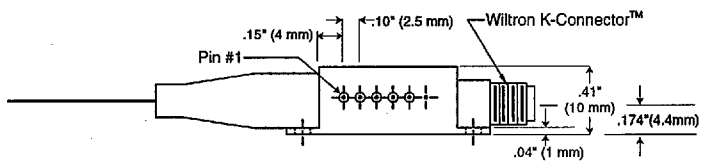
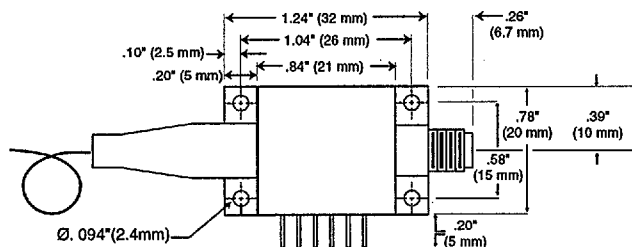
Digital Receiver OC-192/STM-64

PRELIMINARY

Specifications (0°C to 65°C)						
Optical Parameter	Sym	Condition	Min	Typ	Max	Units
Optical Input Power	P _i	-	-	-	0	dbm
Wavelength	λ	-	1280	-	1580	nm
Sensitivity (BER 10 ⁻⁹ , 2 ^{23:1} , 9.95 Gb/s)	P _s	1550 nm, 8 dB Ext. Ratio	-18	20	-	dBm
Optical Return Loss	-	-	40	-	-	dB
Electrical Parameters						
High Frequency Cutoff	F _h	-	7	8	-	GHz
Low Frequency Cutoff	F _l	-	-	-	500	kHz
Transimpedance	TZ	-	700	-	-	Ω
Output Return Loss, 50Ω	S ₂₂	500 kHz - 10 Ghz	10	-	-	dB
Supply Voltages	V _{cc}	100 mA	4.75	-	5.25	V
	V _{ee}	100 mA	-5.25	-	- 4.75	V
	V _{pd}	2 mA	-5.25	-	-4.75	V
Maximum Ratings						
Input Optical Power	P _{max}	-	-	-	3	mW
Supply Voltages	-	Nom +5V	-	-	6	V
	-	Nom -5V	-	-	-6	V
Storage /Operating Temperatures	-	-	-20	-	85	°C

Pin Assignment

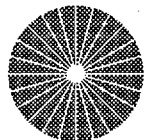
Pin #	Function	Pin #	Function	Pin #	Function
1	NC	3	-5V	5	+5V
2	NC	4	VPD	6	Ground



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Corporate Headquarters

Ortel Corporation
 2015 West Chestnut Street
 Alhambra, California USA 91803
 (800) 362-3891 (626) 281-3636
 Fax (626) 281-8231
 email: mtkge-a@ortel.com
 website: <http://www.ortel.com>
 ISO 9001 Certified



ORTEL®
 CORPORATION

Subsidiaries

Germany
 Ortel VERTRIEBS GmbH
 49-89-3790-720
 Fax 49-89-3790-7249
France, Belgium & The Netherlands
 Ortel SARL
 33 -1- 69-32-11-27
 Fax 33-1- 69-32-11-37

Spain, Portugal & Southern France
 Ortel SARL
 33-4-67-32-91-16
 Fax 33-4-67-32-91-30