



SA 6920 Single Return Path Transmitters:

Features & Benefits:

- ▶ 1310nm, 1550nm or CWDM, DFB-based return path transmitter module
- ▶ Designed to perform better than or equal to the original manufacturer's model
- ▶ Replace failed legacy return path transmitters or improve return path performance by replacing existing F-P transmitter module with a DFB transmitter module
- ▶ Single transmitter modules allow for immediate legacy module replacement or upgrade
- ▶ Target CW carrier level (indicated on the transmitter) allows technician to easily set the drive level to the transmitter for optimized performance
- ▶ Convenient DC test point provides indicator of optical output power (1V/mW)
- ▶ Low power consumption & good heat dissipation increases service life & reliability



SA 6920 Return Path Transmitter Specifications

SPECIFICATIONS		RETURN TRANSMITTERS: DFB & CWDM
RF INPUT & PERFORMANCE PARAMETERS		
FREQUENCY RESPONSE RANGE (+/- 1.0 dB)		5-220 MHz
NPR (DFB/CWDM)*		> 15 dB over 41 dB NPR*
INPUT RETURN LOSS		> 16 dB
OPTICAL OUTPUT PARAMETERS		
OPTICAL OUTPUT (DFB)		1.0, 2.0 or 3.0mW @ 1310nm / 2.5mW @ 1550nm CWDM
RETURN LOSS		> 60 dB with APC Connector
OPTICAL CONNECTOR		SC/APC; FC/APC; SC/UPC; FC/UPC
USER INTERFACE		
OPTICAL OUTPUT LEVEL		1V/mW
LASER ON INDICATOR		LED
ELECTRICAL, ENVIRONMENTAL & MECHANICAL PARAMETERS		
OPERATING TEMPERATURE		-40°C to +60°C (-40°F to +140°F) (ambient temperature around Node)
HUMIDITY		20%-55% (without condensation, inside housing)
POWERING		Single Transmitter Module: 24V, 65mA
PHYSICAL		
DIMENSIONS		3.35"H x 6.7"W x 1.69"D (8.5H x 17.0W x 4.3D cm)
WEIGHT		1.2 lbs (0.55 kg)
NOTES:		
* Measured with 17 km of fiber, 35 MHz loading.		
Call ATX for assistance in determining optimum drive levels for your system.		

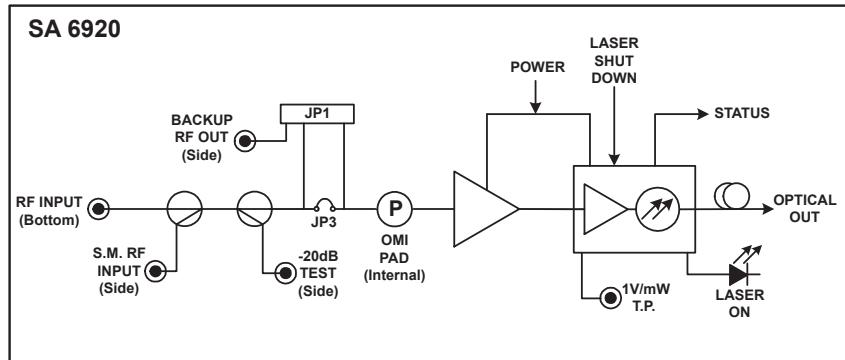
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Ordering Information

Single Transmitter Modules:

<p>1310nm DFB</p> <p>HESA213</p> <ul style="list-style-type: none"> 1 = 1mW 2 = 2mW 3 = 3mW <ul style="list-style-type: none"> SA = SC/APC SU = SC/UPC FA = FC/APC FU = FC/UPC 	<p>1550nm and CWDM DFB, 2.5mW</p> <p>HESA2___.2.5</p> <ul style="list-style-type: none"> SA = SC/APC SU = SC/UPC FA = FC/APC FU = FC/UPC <ul style="list-style-type: none"> 15 = 1550nm 47 = 1470nm 49 = 1490nm 51 = 1510nm 53 = 1530nm
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Functional Schematic



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Specifications subject to change without notice.