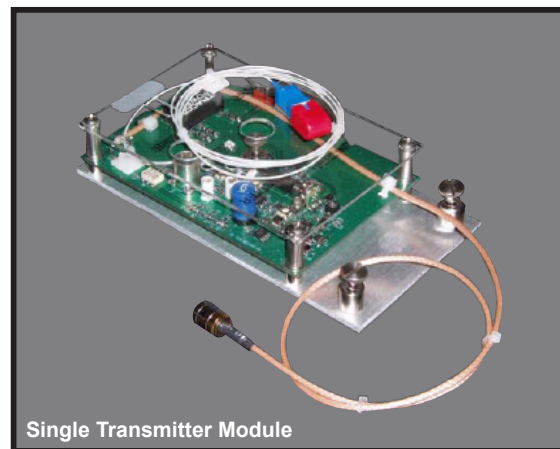


### Arris/Antec\* LLRX200 Single Return Path Transmitter:

#### Features & Benefits:

- ▶ 1310 nm, 1550 nm 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
- ▶ Convenient test point for RF input level. DC test points provides indicator of optical output power (1V/mW) & laser current (1V/50mA)
- ▶ Low power consumption & good heat dissipation increases service life & reliability



### Return Path Transmitter Specifications

SPECIFICATIONS		RETURN TRANSMITTERS: DFB & CWDM
<b>RF INPUT &amp; PERFORMANCE PARAMETERS</b>		
FREQUENCY RESPONSE RANGE (+/- 1.0 dB)	5 - 220 MHz	
NPR (DFB/CWDM)*	> 15 dB over 41 dB NPR*	
INPUT RETURN LOSS	> 16 dB	
<b>OPTICAL OUTPUT PARAMETERS</b>		
OPTICAL OUTPUT (DFB)	1.0, 2.0 or 3.0 mW @ 1310 nm / 2.5 mW @ 1550 nm CWDM	
RETURN LOSS	> 60 dB with APC Connectors	
OPTICAL CONNECTORS	SC/APC; FC/APC; SC/UPC; FC/UPC	
<b>USER INTERFACE</b>		
OPTICAL OUTPUT LEVEL	1V/mW	
LASER CURRENT	1V/50mA	
RF INPUT LEVEL	-20 dB	
<b>ELECTRICAL, ENVIRONMENTAL &amp; MECHANICAL PARAMETERS</b>		
OPERATING TEMPERATURE RANGE	-40°C to +70°C (-40°F to +158°F) (temperature at mounting plate)	
POWERING	Single Transmitter Module: 24 VDC/50mA	
<b>NOTES:</b>		
* Measured with 10 dB of fiber & 6 channel, 37 MHz loading, with +11 dBmV per channel RF input. Call factory for assistance in determining optimum drive levels for your system.		

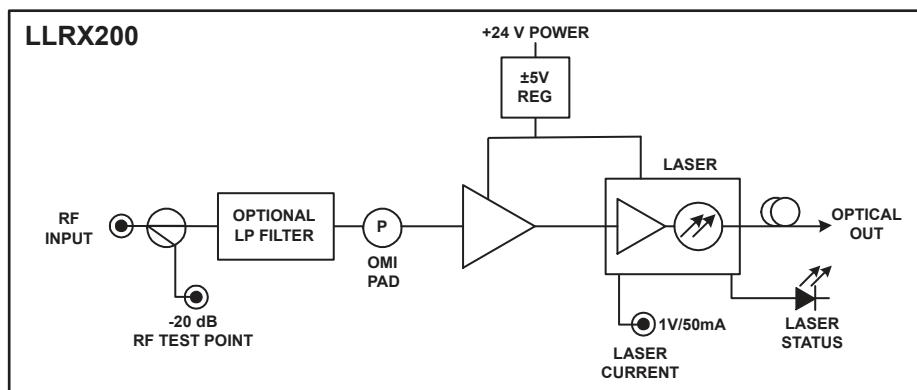
\*The product and company names above are the property of their respective owners in the United States and/or other countries.

**Arris/Antec\* LLRX200 Single Return Path Transmitter:**

**Ordering Information**

Return Path Transmitter Modules:	
<p><b>1310 nm DFB</b></p> <p>HERX213</p> <ul style="list-style-type: none"> <li>1 = 1 mW</li> <li>2 = 2 mW</li> <li>3 = 3 mW</li> </ul> <ul style="list-style-type: none"> <li>SA = SC/APC</li> <li>SU = SC/UPC</li> <li>FA = FC/APC</li> <li>FU = FC/UPC</li> </ul>	<p><b>1550 nm and CWDM DFB, 2.5 mW</b></p> <p>HERX 2.5</p> <ul style="list-style-type: none"> <li>SA = SC/APC</li> <li>SU = SC/UPC</li> <li>FA = FC/APC</li> <li>FU = FC/UPC</li> </ul> <ul style="list-style-type: none"> <li>15 = 1550 nm</li> <li>47 = 1470 nm</li> <li>49 = 1490 nm</li> <li>51 = 1510 nm</li> <li>53 = 1530 nm</li> </ul>

**Return Path Transmitter Functional Schematic**



Specifications subject to change without notice.