

Customized Synthesizer with 2 synthesized outputs and 3 fixed output



S/N	Specification																																				
1	<p>Frequency Synthesizer SYN-A-4FO-230280 supply voltage: 12V / <1A All outputs power: +10dBm +/-1dB XO reference frequency: 80MHz Frequency accuracy: < 50ppm operating temperature: -10...+55°C Altitude: up to 2000m Humidity: 95% RH + waterres. Size : approx 120mm x 120mm x 32mm DC connector: 25pin D-Sub RF connector: SMA Female Switching speed: < 100µs Harmonics: -40dBc Spurious: -60dBc</p> <p>Outputs: A) 80MHz by ultra low noise crystal oscillator B) 10MHz as above by division through 8</p> <table border="1"> <thead> <tr> <th></th> <th>C) 375Mhz</th> <th>D) 640-980Mhz</th> <th>E) 2300-2800Mhz</th> </tr> </thead> <tbody> <tr> <td>Typical phase noise without vibration @ offset frequency</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10Hz</td> <td>-75dBc</td> <td>-71dBc</td> <td>-71dBc</td> </tr> <tr> <td>100Hz</td> <td>-100dBc</td> <td>-95dBc</td> <td>-95dBc</td> </tr> <tr> <td>1Khz</td> <td>-122dBc</td> <td>-108dBc</td> <td>-108dBc</td> </tr> <tr> <td>10Khz</td> <td>-127dBc</td> <td>-110dBc</td> <td>-110dBc</td> </tr> <tr> <td>100Khz</td> <td>-130dBc</td> <td>-111dBc</td> <td>-111dBc</td> </tr> <tr> <td>1Mhz</td> <td>-132dBc</td> <td>-128dBc</td> <td>-128dBc</td> </tr> <tr> <td>10Mhz</td> <td>-140dBc</td> <td>-135dBc</td> <td>-135dBc</td> </tr> </tbody> </table>		C) 375Mhz	D) 640-980Mhz	E) 2300-2800Mhz	Typical phase noise without vibration @ offset frequency				10Hz	-75dBc	-71dBc	-71dBc	100Hz	-100dBc	-95dBc	-95dBc	1Khz	-122dBc	-108dBc	-108dBc	10Khz	-127dBc	-110dBc	-110dBc	100Khz	-130dBc	-111dBc	-111dBc	1Mhz	-132dBc	-128dBc	-128dBc	10Mhz	-140dBc	-135dBc	-135dBc
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