

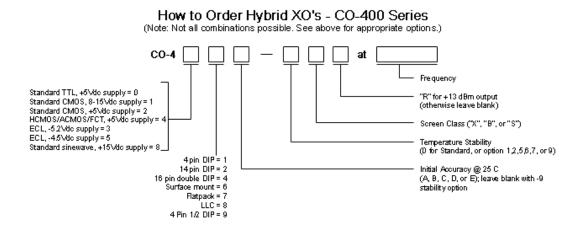
- Miniature Hybrid Design
- 16 Pin Double DIP or 16 Pin Flatpack
- +13 dBm output available

SPECIFICATIONS							
Series	CO-487: Miniature Hybrid						
Frequency	4 MHz to 500 MHz						
Output	Standard: 0.5 Vrms/50Ω (+7 dBm) Option R : 1 Vrms/50Ω (+13 dBm) High level option: 1 watt (+30 dBm) available in 2" x 3" x 0.75" package						
Supply	+15 Vdc \pm 5% (Any supply in 12-24 Vdc range optional; supply less than +15 Vdc subject to reduced output level)						
Accuracy (at 25°C)	CO-487A: ±50 ppm CO-487C: ±25 ppm CO-487D: ±15 ppm CO-487B: ±10 ppm *CO-487E: ±1 ppm						
Temperature Stability	STANDARD: 0°C	to +70°C:	±25 ppm				
	Option 1 : -55°C	to +85°C:	±50 ppm				
	Option 2 : -55°C	to +125°C:	±50 ppm				
	1 '	(not available in CO-287W)					
	Option 3: 0°C	to +50°C:	±3 ppm				
	(not available in CO-484 , CO-487 , CO-287W)						
	Option 5: 0°C	to +50°C:	±5 ppm				
	Option 6: 0°C	to +50°C:	±10 ppm				
Aging Rate (typical after 30 days)	3 ppm first year <2 ppm per year thereafter						
Phase Noise (typical 4-100 MHz)	ypical 4-100 MHz) 100 Hz 1 kHz 10 kHz 50 kHz		<u>Option L1*</u> -115 dBc/Hz -140 dBc/Hz -150 dBc/Hz -155 dBc/Hz octave above 100	-160 dBc/Hz -160 dBc/Hz			
	*L1 Option is not available in CO-281, CO-484, CO-487 **L2 Option is available only in CO-233FW and is limited to 200 MHz:						
	above 100 MHz, ou	above 100 MHz, output of CO-233FWL2 is restricted to +7 dBm.					

www.DataSheet4U.com

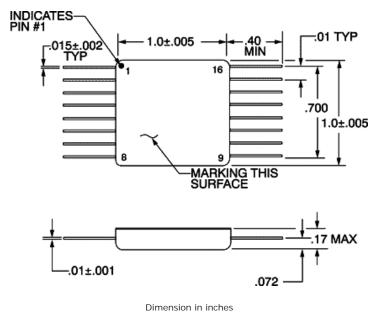
top of page

www.DataSheet4U.com



SCREEN TESTING OF ABOVE MODELS						
	MIL-STD-883 METHOD	Standard CLASS X	Options			
SCREEN TEST			CLASS D	CLASS B	CLASS S	
Stabilization Bake (150°C)	_	х	х	х	Class S screen test requirements include 24 hour additional bake-out, 80 hour additional burn-in, thermal shock, PIND test and radiographic inspection in addition to Class B Screening. Has major cost impact.	
Seal Test (Gross and Fine)	1014, Cond A2	х	х	х		
Temperature Cycling (Thermal Shock)	1010, Cond B		х	х		
Burn-in, operating 160 hours @125°C	_		х	х		
Acceleration (5000g in Y ₁ axis)	2001, Cond A			x		

top of page



www.DataSheet4U.com

Pinouts Pinouts *Pin Function 0V, Case OV, Case

0	00,003
9	Output
11	* *
16	Supply

www.DataSheet4U.com

*Unlisted pins may be used internally **<200 MHz: no connection >200 Mhz: 0V, Case E Option, connect 5-30 pf capacitor from pin 5 to pin 8.

top of page

Copyright © 1997-2009 by Vectron International, Inc., <u>A Dover Company</u>. Vectron International's <u>Terms and Conditions</u>. The most recent change to this page occurred 02/11/2009

www.DataSheet4U.com

www.DataSheet4U.com