Frequency Doubler
High Isolation, In-line Output

Model FD34H-1
Input 5 to 2800 MHz
Output 10 to 5600 MHz

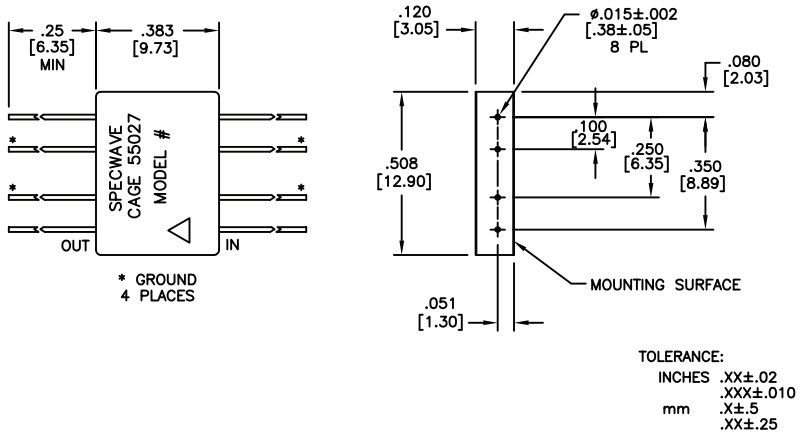
Electrical Specifications [1]:

Parameter	Conditions		Specifications		
	Input (MHz)	Output (MHz)	Min	Typical	Max
Insertion Loss:[2]	5-2000 2000-2800	10-4000 4000-5600		11.5 dB 12.3 dB	13.0 dB 13.5 dB
Fundamental Isolation: [3]	5-500 500-2000 2000-2800	10-1000 1000-4000 4800-5600	25 dB 30 dB 25 dB	35 dB 40 dB 35 dB	
Third Harmonic Suppression: [4]	5-2800	10-5600	20 dBc	33 dBc	
Input VSWR:	5-500 500-2000 2000-2800	10-1000 1000-4000 4800-5600		1.5:1 1.7:1 1.5:1	
Input Power:	5-2800	10-5600		+11 dBm	

Notes:
1. Specifications are guaranteed when tested as a doubler in a 50 Ohm system at +25˚C with nominal input power. Specifications indicated as typical are not guaranteed.
2. Insertion loss typically degrades less than 0.5 dB at +100˚C and improves less than 0.5 dB at -55˚C.
3. Fundamental isolation is referenced to the fundamental input.
4. Third Harmonic Suppression is referenced to the second harmonic output.

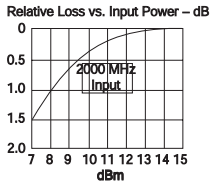
FD34H-1

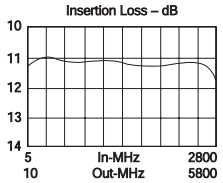
Outline: FPD1

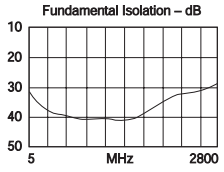


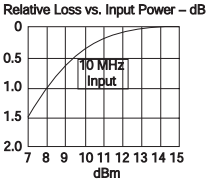
All dimensions are in inches and [mm].

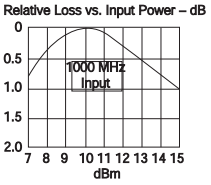
Typical Performance at 25˚C

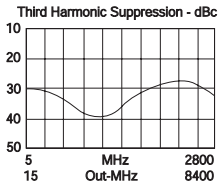


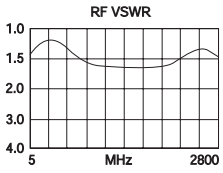












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