

# Microwave Solutions from Teledyne Cougar



## Frequency Doublers & Passive Components

Essential function blocks designed by Teledyne Cougar provide reliable, high performance components for RF/microwave commercial, industrial, and military systems.

- Frequency Doublers with high fundamental suppression, broadband input/output frequencies, and low conversion loss figures.

Model	Frequency MHz		Power In dBm LO	Conversion Loss dB		Fund Supp. dBc		3rd Harmonic Supp. dBc		5th Harmonic Supp. dBc	
	Input	Output		Typ.	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.
<b>Available in Surface Mount Mixer, SMTO-8, and Cougar MixerPak</b>											
FDS6005	0.05-1500	0.1-3000	13	10.5	12.0	35	25	45	30	53	43
	0.05-3000	0.1-6000	13	12.0	14.0	35	25	45	30		
FDMP20401	3000-8000	6000-16000	10	10.0	11.5	38	28	50	40	50	42
	2000-10000	4000-20000	10	10.5	12.0	38	28	50	40		
FDMP24601	3000-12000	6000-24000	10	11.0	13.5	25	30	28	35	48	38

### More Passive Components from Teledyne Cougar:

- Broadband Power Dividers** with high isolation, low insertion loss, excellent phase and amplitude balance in a small size.
- High isolation Switches** with low insertion loss, high 1dB compression point, high third order I.P and fast switching speed.
- Fast switching Attenuators** with high attenuation ranges, low SWR and excellent flatness vs. frequency.

Teledyne Cougar is your one-stop source for passive RF and Microwave components, subsystems, integrated assemblies and value-added service needs.



**TELEDYNE COUGAR**  
A Teledyne Technologies Company

ISO 9001:2000 • AS9100 • MIL-PRF-38534 • Class H & Class K Certified

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