

Advanced Microwave, Inc.  
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This catalog contains a listing of Advanced Microwave Inc. military and commercial products. This is an interactive catalog with page links to specific products and product details. If you are unable to find a specific product or have questions, please call us 408.649.3566, or email our sales Department at [sales@advmic.com](mailto:sales@advmic.com).

<b>Mixers</b>			
Series	Frequency (GHz)		Conversion Loss (dB) typ.
	LO/RF	IF	
<b>Double Balance Mixers</b>			
<a href="#">M3X01</a>	4.0 – 22.0	DC – 4.0	5.0 – 10.0
<a href="#">M3X05</a>	5.0 – 22.0	DC – 5.0	5.0 – 10.0
<a href="#">M3XX4X</a>	2.0 – 18.0	DC – 2.0	5.5 – 9.0
<a href="#">M3X08</a>	6.5 – 46.0	DC – 21.0	7.0 – 15.0
<b>Triple Balance Mixers</b>			
<a href="#">M3X02</a>	2.0 – 20.0	0.1 – 8.0	6.5 – 12.0
<a href="#">M3X06</a>	2.0 – 26.0	0.1 – 8.0	6.5 – 13.0
<b>Modulators/IR Mixers</b>			
<a href="#">MQ3X31</a>	1.7 – 18.0	DC – 0.5	6.0 – 9.0
<a href="#">MI3X32</a>	18.0 – 32.0	DC – 4.0	7.0 – 10.0
<a href="#">MQ3X33</a>	18.0 – 32.0	DC – 4.0	7.0 – 10.0
<a href="#">MI3X310X</a>	2.0 – 18.0	0.02 – 0.2	7.0 – 10.0
<a href="#">MI3X31</a>	2.0 – 18.0	0.03 – 0.7	9.0 – 10.0

<b>Multipliers/Doublers</b>			
Series	Frequency (GHz)		Conversion Loss, Fundamental (dB)
	Input	Output	
<a href="#">MD3X4X</a>	2.0 – 7.0	4.0 – 14.0	9.0 – 12.0
<a href="#">MD3X5X</a>	3.0 – 17.0	6.0 – 34.0	8.0 – 14.0

Amplifiers				
Series	Frequency Range (GHz)	Gain Range (dB)	Output Power Range (dBm)	Noise Figure (dB)
<b>Wide-Band Amplifiers</b>				
<a href="#">WA20XX</a>	0.5 – 8.0	8.0 – 45	15 – 23	2.0 – 3.0
<b>Wide-Band Low-Noise Amplifiers</b>				
<a href="#">WLA6XX</a>	1.0 – 40.0	14 – 55	1.0 – 13	1.2 – 6.0
<b>Positive Slope Amplifiers</b>				
<a href="#">WEAXXX</a>	2.0 – 26.0	20 – 45	11 – 24	5.0 – 10.0
<b>Wide-Band Power Amplifiers</b>				
<a href="#">WPA2XX</a>	0.1 – 40.0	18 – 40	22 – 33	4.5 – 8.0
<a href="#">WPA4XX</a>	2.0 – 40.0	22 – 45	20 – 43	5.0 – 8.0
<b>Power Amplifiers</b>				
<a href="#">PA20XX</a>	0.5 – 11.0	12 – 30	27 – 31	5.0 – 8.0
<a href="#">PA2X0X</a>	1.5 – 12.0	17 – 36	34 – 43	5.0 – 8.0
<b>AC Input Power Amplifiers</b>				
<a href="#">WPAC263P</a>	0.1 – 22.0	34 – 38	30 – 32	3 – 5
<a href="#">WPAC413PP</a>	2 – 18	30 – 34	35 – 37	3 – 5
<b>Mini Amplifiers</b>				
<a href="#">AMXXXX</a>	0.1 – 50	25 – 35	10 – 32	2 – 7

Detector Series					
Series	Title	Freq. Range (GHz)	K Factor mV/mW	TSS (dBm)	Size (cu.in)
<a href="#">TD500X</a>	Tunnel Detectors	0.1 – 40	500-800	-47	0.04
<a href="#">TL500X</a>	Tunnel Limiter Detectors	0.1 – 18	500-800	-46	0.04
<a href="#">BSD100X</a>	Biased/Schottky	0.1 – 40	1600	-50	0.04
<a href="#">ZSDXXX</a>	Zero Biased Schottky	0.01 – 40	500	-48	0.04

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Zero Biased Tunnel Detector				
Model	Frequency (GHz)	Input VSWR	Output Flatness (dBm) max	Max Input Power (dBm)
<a href="#">TD5010T</a>	47.0 – 51.6	2.0:1	+/- 0.8	20

Limiter Series					
Series	Frequency (GHz)	Loss (dB)	Leakage	Power CW Max. (dBm)	Peak Power Max. (dBm)
<a href="#">LD200X</a>	0.1 – 26.0	0.5	18	30	50
<a href="#">LD201X</a>	0.1 – 18.0	1.2	23	40	57

Up/Down Converters / BUC Converters	
Model/Series	Description
<a href="#">MA302X</a>	Mixer/amp up or down converter with a wide-band IF frequency.
<a href="#">MA3006-2X</a>	Mixer/amp up or down converter with a wide-band IF frequency.
<a href="#">MA3X5X</a>	Single side band modulator.
<a href="#">TX22UUUC</a>	Universal C, X, & KU band up converter.
<a href="#">RX22UUDC</a>	Universal C, X, & KU band down converter.
<a href="#">KTX32UUUC</a>	Universal Ka, & K band up converter.
<a href="#">KRX32UUDC</a>	Universal Ka, & K band down converter.
<a href="#">TX4xxxxS</a>	Block Up Converter (BUC), Fixed Synthesizer
<a href="#">TX5xxxxS</a>	Block Up Converter (BUC), Programmable Synthesizer
<a href="#">RX321416S-1</a>	Down Converter (BDC), with Internal Synthesizer
<a href="#">RX4xxxxS</a>	Block Down Converter (BDC), Fixed Synthesizer
<a href="#">RX5xxxxS</a>	Block Down Converter (BDC), Programmable Synthesizer
<a href="#">CCNWS0218AR</a>	2-18 GHz Microwave Tuner/Receiver
<a href="#">CCNWS0218AT</a>	2-18 GHz Microwave Transmitter/Up Converter

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Threshold Detectors					
Model	Frequency Range (GHz)	Dynamic Range (dBm)	Prop. Delay (nsec.)	Power Supply (V)	Size (cu.in)
<a href="#">TH0518-C</a>	0.5 – 18	-30 – +10	15	±12 – ±15	0.125
<a href="#">TH0518-S-C</a>	0.5 – 18	-30 – +10	1000	±12 – ±15	0.125
<a href="#">THA0518-C</a>	0.5 – 18	-40 – +10	15	±12 – ±15	0.185
<a href="#">THF0518-C</a>	0.5 – 18	-19 – +10	3	±12 – ±15	0.125
<a href="#">THAF0518-C</a>	0.5 – 18	-40 – +10	3	±12 – ±15	0.185
<a href="#">DA0518-C</a>	0.5 – 18	-33 – 0	10	±12 – ±15	0.125
<a href="#">DA1840-C</a>	18 – 40	-30 – 0	10	±12 – ±15	0.125
<a href="#">DAA0518-C</a>	0.5 – 18	-42 – -5	10	±12 – ±15	0.185
<a href="#">THA1840-C</a>	18 – 40	-31 – +10	15	±12 – ±15	0.185
<a href="#">THAF1840-C</a>	18 – 40	-26 – +10	3	±12 – ±15	0.185
<a href="#">THAHS0518-C</a>	0.5 – 18	-65 – +10	25	±12 – ±15	0.185
<a href="#">THAS0540-C</a>	0.5 – 40	-40 – +10	12	5	0.185
<a href="#">THAS0540-2-C</a>	0.25 – 0.75	-40 – +10	15	5	0.185

Detector Log Amplifiers						
Model	Frequency Range (GHz)	Dynamic Range (dBm)	Rise Time (nsec.)	Log Accuracy (dB)	Signal Acceptance	Size (cu.in)
<a href="#">DLA0518-C</a>	0.5 – 18	-40 – +10	20	±0.6	CW & Pulse	0.21
<a href="#">DLA0518-19-C</a>	8.0 – 12	-35 – +10	20	±0.6	CW & Pulse	0.21
<a href="#">DLA0518-27A-C</a>	1.9 – 4.2	-40 – 0	50	±0.6	CW & Pulse	
<a href="#">DLAA05R40E-1-C</a>	0.5 – 40	-43 – 2	30	±1	CW & Pulse	
<a href="#">DLAA2R40E-1A-C</a>	2.0 – 40	-47 – 3	30	±1	CW & Pulse	
<a href="#">DLA0518-02-C</a>	0.5 – 18	-40 – +10	20	±0.6	Pulse Only	0.21
<a href="#">SDLA0212-C</a>	0.2 – 1.2	-60 – 0	20	±2.0	CW & Pulse	0.125
<a href="#">ERDLA16-C</a>	1 – 6	-70 – +5	20	±1.5	CW & Pulse	0.88
<a href="#">ERDLA16-02-C</a>	1 – 6	-70 – +5	20	±1.5	CW & Pulse	0.88
<a href="#">ERDLA618-C</a>	6 – 18	-68 – +5	20	±2.3	CW & Pulse	0.88
<a href="#">ERDLA618-02-C</a>	6 – 18	-68 – +5	20	±2.0	CW & Pulse	0.88
<a href="#">ERDLA118-C</a>	1 – 18	-68 – +5	20	±2.7	CW & Pulse	0.88
<a href="#">ERDLA118-02-C</a>	1 – 18	-68 – +5	20	±2.2	Pulse Only	0.88
<a href="#">ERDLA118E-C</a>	1 – 18	-65 – +5	20	±2.5	CW & Pulse Switchable	1
<a href="#">ERDLA1826-C</a>	18 – 26	-65 – +5	20	±2.7	CW & Pulse	0.88
<a href="#">DLAAXXXX-C</a>	0.3 – 18	-54 – -5	20	±1.0	CW & Pulse	0.25
<a href="#">ERDLA1840-C</a>	18 – 40	-63 – +2	20	±1.5	CW and Pulse	0.75
<a href="#">ERDLA184002-C</a>	18 – 40	-63 – +2	20	±1.5	Pulse Only	0.75
<a href="#">SDLAC112802A-C</a>	1 – 18	-68 – +5	9	±2.0	Pulse Only	0.77
<a href="#">SDLAC182702A-C</a>	18 – 27	-70 – 0	9	±1.5	Pulse Only	0.77
<a href="#">SDLA1128B-C</a>	1 – 18	-68 – +5	9	±2.0	CW and Pulse	0.77
<a href="#">SDLA1216-1-C</a>	6-Feb	-70 – +10	10	±2.0		
<a href="#">SDLAC050602B-C</a>	0.5 – 6	-77 – 0	10	±2.0	Pulse Only	0.82
<a href="#">SDLAC112802A-300-C</a>	1 – 18	-70 – +5	10	±2.0	Pulse Only	0.77
<a href="#">SDLAC122802A-C</a>	2 – 18	-70 – +5	10	±2.0	Pulse Only	0.77
<a href="#">SDLAC21802B-C</a>	2 – 18	-75 – 0	10	±2.0	Pulse Only	0.82
<a href="#">SRRDLA21802-C</a>	2 – 18	-75 – +10	12	±2.5	Pulse/CW	0.97

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### Passive Component Products

Model/Series	Description
<a href="#">PD43218</a>	Power Divider/Combiner
<a href="#">C43XXX</a>	Wideband 90° Coupler

### Networked Radar Receivers

Series	# Vid In	I/O Support	AC Input	Regulated Output	
<a href="#">RRNS10-C</a>	1	RJ45 Ethernet	90 – 260V AC	12	700 mA
				-12	250 mA
<a href="#">DFRNS60-C</a>	6	RJ45 Ethernet	90 – 260V AC	12	6:00 AM
				-12	800 mA

### Pulse Modulators

Series	Frequency (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Pulse Response (nsec.)	DC Supply	Size (cu.in)
<a href="#">SPST0XXX-C</a>	2 - 18	2 - 3	55 - 60	2.0:1	12 - CW	±12V	0.12
<a href="#">SPST0XXXA-C</a>	2 - 18	3 - 5.5	70 - 80	2.3:1	15 - CW	±12V	0.12

### Comb Generator

Model	
<a href="#">MUL036</a>	Please click the Model number to see the complete technical details
<a href="#">MULR518-1</a>	Please click the Model number to see the complete technical details