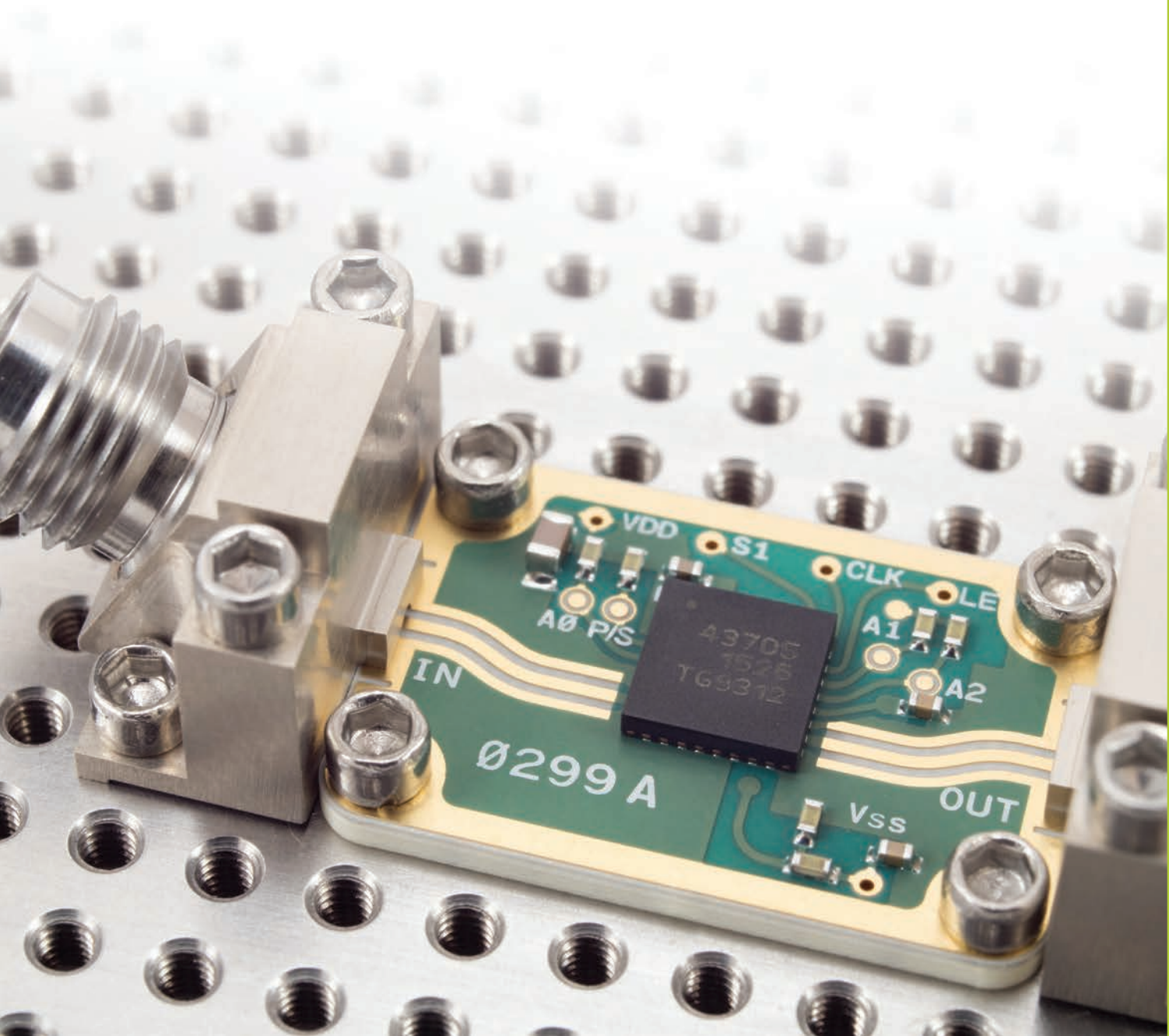


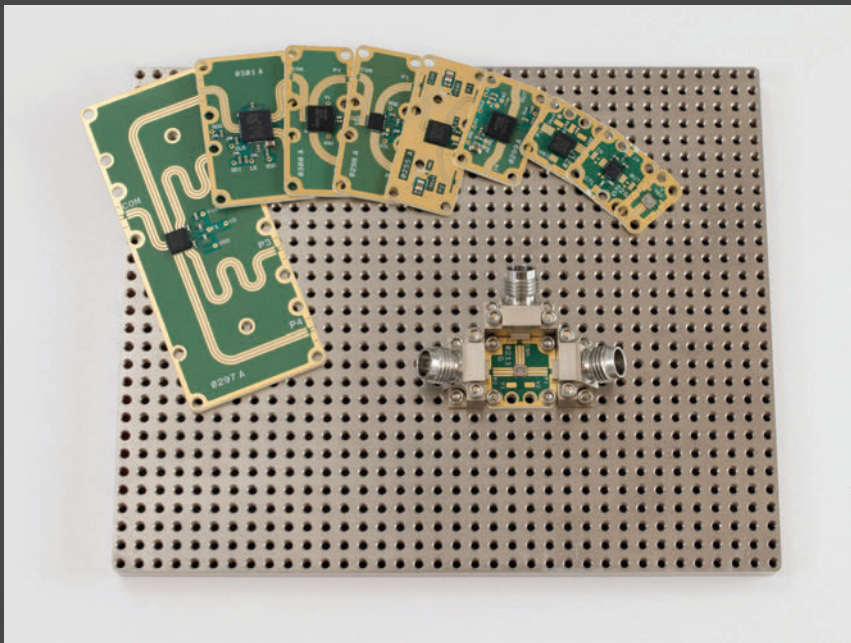
SPOTLIGHT ON



microwave



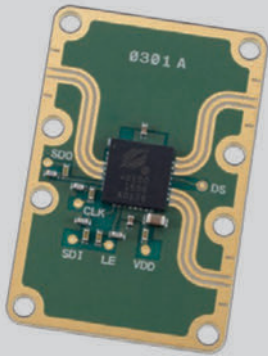
- Modular Building Block System
- Peregrine UltraCMOS® Products
- Switches, DSAs, Limiters, MPACs
- Modeled at the Launch
- Drop-In, Connectorized and EVAL
- Free Online Simulation and Mechanical Layout Tool



## Drop-In Option

At left is X-Microwave part number XM-A3L4-0609D, populated with a Peregrine Monolithic Phase Amplitude Controller PN: PE46130

Order code: D example: XM-A3L4-0609D

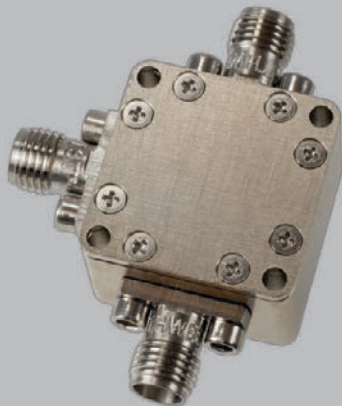


## Connectorized Housing Option

The Machined Housing Option features a precision-machined, nickel-plated aluminum housing with Heli-Coil® inserts and thruhole mounting provisions.

Connector options include Super SMA, 2.92mm, and 1.85mm.

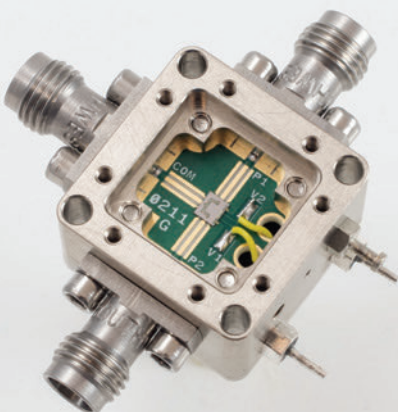
Order code: C example: XM-A335-0404C



## Open Frame "EVAL" Option

Select the EVAL Option whenever a low-cost, connectorized, high performance means is needed to evaluate a specific X-MWblock. Since the connectorized frame makes a solderless connection to the X-MWblock, both the frame and the block can be independently reused.

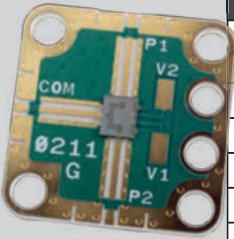
Order code: E example: XM-A335-0404E





## RF Switches

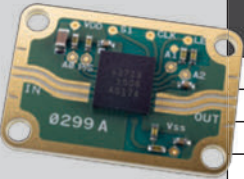
\* **Option Code**  
 D = Drop-In  
 C = Connectorized  
 E = EVAL Option



Peregrine PN	X-MW PN	Function (Type)	Freq Range (MHz)	IL (dB) @ (GHz)	Isolation (dB) @(GHz)
PE42522	XM-A3B3-0409D	SPDT (A)	.009 to 26500	2 @ 12	40 @ 12
PE42524	XM-A335-0404D	SPDT (R)	10 to 40000	4.5 @ 40	50 @ 40
PE42524	XM-A3N8-0409D	SPDT (R)	10 to 40000	3.4 @ 30	45 @ 30
PE42722	XM-A3N3-0409D	SPDT (R)	5 to 1794	0.6 @ 1794	28 @ 1794
PE42820	XM-A3N2-0409D	SPDT (R)	30 to 2700	0.8 @ 2700	25 @ 2700
PE42543	XM-A3N7-0819D	SP4T (A)	.009 to 18000	5 @ 18000	35 @ 18000
PE42520	XM-A3B2-0409D	SPDT (A)	.009 to 13000	2.5 @ 13000	18 @ 13000
PE42542	XM-A3N6-0819D	SP4T (A)	.009 to 18000	5.5 @ 18000	35 @ 18000
PE42521	XM-A3N5-0409D	SPDT (A)	.009 to 13000	3.0 @ 13000	18 @ 13000



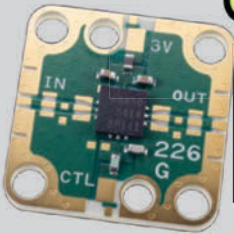
## Digital Step Attenuators



Peregrine PN	X-MW PN	Freq Range (MHz)	Atten Range (dB)	Atten Step (dB)	Interface
PE43704	XM-A3K6-0604D	.009 to 8000	31.75	.25/.5/1	Serial
PE43705	XM-A3K7-0604D	50 to 8000	31.75	.25/.5/1	Serial
PE43712	XM-A3K8-0604D	.009 to 6000	31.75	.25/.5/1	Serial
PE43713	XM-A3K9-0604D	.009 to 6000	31.75	.25/.5/1	Serial



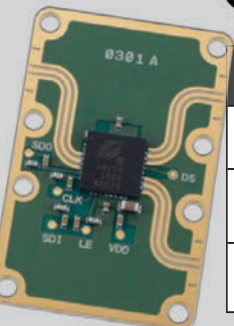
## Power Limiters



Peregrine PN	X-MW PN	Mode	Freq Range (MHz)	Lim Thrs Range (dBm)	Max Pwr (dBm)
PE45140	XM-A3L1-0404D	Lim, Reflecting	20 to 2000	22 to 32	47
PE45450	XM-A3L2-0404D	Lim, Reflecting	.009 to 6000	25 to 35	47



## Monolithic Phase Amplitude Controllers



Peregrine PN	X-MW PN	Description	Freq Range (MHz)	DPS Range/Step (deg)	DSA Range/Step (dB)
PE46130	XM-A3L4-0409D	5-bit DPS/4-bit DSA	2300 to 2700	87.2/2.8	7.5/0.5
PE46130	XM-A3L4-0409D	5-bit DPS/4-bit DSA	2300 to 2700	87.2/2.8	7.5/0.5
PE46140	XM-A3L5-0409D	5-bit DPS/4-bit DSA	3400 to 3800	87.2/2.8	7.5/0.5

