

## Power Combiners / Dividers

### NEW ECONOMICAL

## WIRELESS BAND POWER COMBINERS / DIVIDERS

- Wireless Communications PCS and Cellular Coverage
- Broadband 800 MHz to 2500 MHz
- Complete Series 2-Way, 4-Way, thru 16-Way Models
- High Isolation  $\geq 20$  dB, Typical  $\geq 26$  dB Isolation
- Excellent Phase and Amplitude Balance



### DESCRIPTION

Narda is introducing a new series of low cost, communication band power combiners / dividers. SMA and Type N connector versions of 2-way, 4-way, 6-way, 8-way, and 16-way power combiners / dividers providing excellent isolation and low insertion loss in a unique, broadband, microwave structure are available.

Narrow band versions covering either cellular (824 - 849 MHz) or PCS (1850 to 1910 MHz) are available on request. Also non-standard combination / division such as 21-way and 12-way are also available. Contact our regional sales representative or call Narda directly for more information.

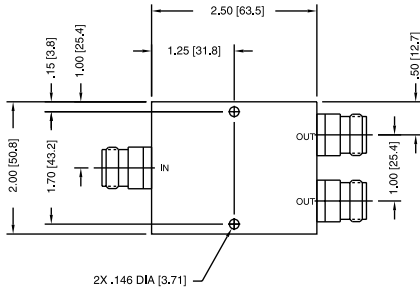
### SPECIFICATIONS

MODEL	3372A-2	4372-2	3372A-3	4372A-3	3372A-4	4372A-4	3372A-6	4372A-6	4162-8	4162-16	4152-8	4152-16
N-WAY	2		3		4		6		8	16	8	16
FREQUENCY RANGE (MHz)	800 - 2500		800 - 2500		800 - 2500		800 - 2500		1900 - 2500	1900 - 2500	800 - 1000	800 - 1000
CONNECTORS	TYPE N FEMALE	SMA FEMALE	TYPE N FEMALE	SMA FEMALE	TYPE N FEMALE	SMA FEMALE	TYPE N FEMALE	SMA FEMALE	SMA FEMALE	SMA FEMALE	SMA FEMALE	SMA FEMALE
AMPLITUDE BALANCE (dB) MAX	0.2		0.5		0.3		0.7		0.5	0.8	0.4	0.6
PHASE BALANCE (DEGREES) MAX	3		8		6		10		6	10	6	10
ISOLATION (dB) MIN	22		15		22		18		22	19	20	20
VSWR (MAX) INPUT	1.35:1		1.6:1		1.4:1		1.9:1		1.5:1	1.6:1	1.3:1	1.3:1
OUTPUTS	1.30:1		1.5:1		1.5:1		1.6:1		1.4:1	1.4:1	1.3:1	1.3:1
INPUT POWER (WATTS) MAX												
LOAD VSWR												
1.2:1	30		30		30		30		30	30	30	30
2.0:1	5		5		5		5		5	5	10	10
$\infty$	0.5		0.5		0.5		0.5		0.5	0.5	3	3
INSERTION LOSS (dB) MAX	800-1000 MHz - 0.3 1000-2500 MHz - 0.5		0.8		0.8		800-1000 MHz - 0.8 1000-2500 MHz - 1.0		0.9	1.2	0.8	1.5
WEIGHT (g) MAX	220	100	450	170	650	250	1500	520	500	550	650	850

Contact Narda for outlines on the 8-way and 16-way units.

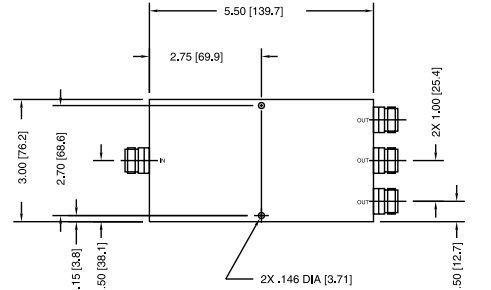
# Power Combiners / Dividers

## OUTLINE DRAWINGS



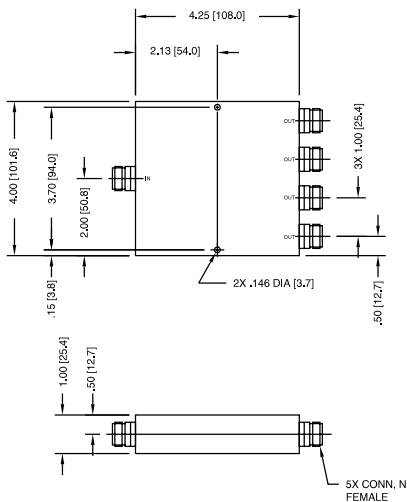
TOL:  
XX ±.03 [.5]  
XXX ±.010 [.25]

**MODEL 3372A-2**



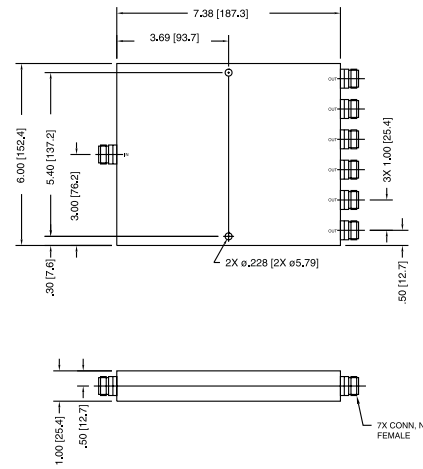
TOL:  
XX ±.03 [.5]  
XXX ±.010 [.25]

**MODEL 3372A-3**



TOL:  
XX ±.03 [.5]  
XXX ±.010 [.25]

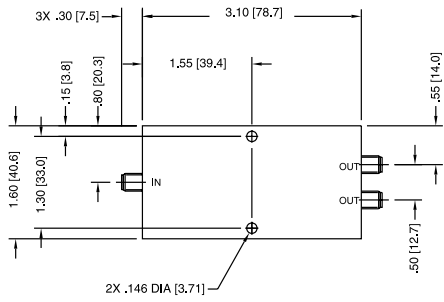
**MODEL 3372A-4**



TOL:  
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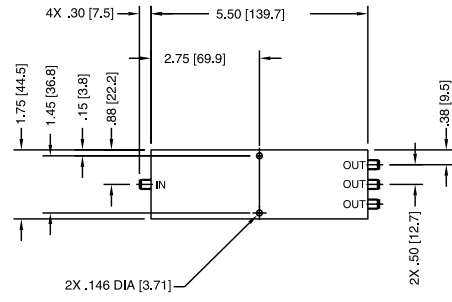
**MODEL 3372A-6**

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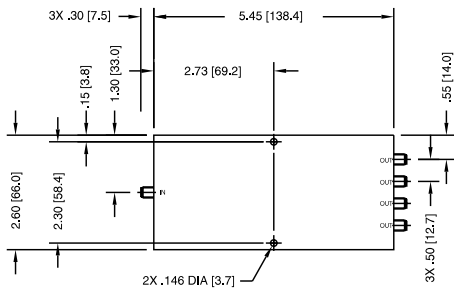
TOL:  
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XXX ±.010 [.25]

**MODEL 4372-2**



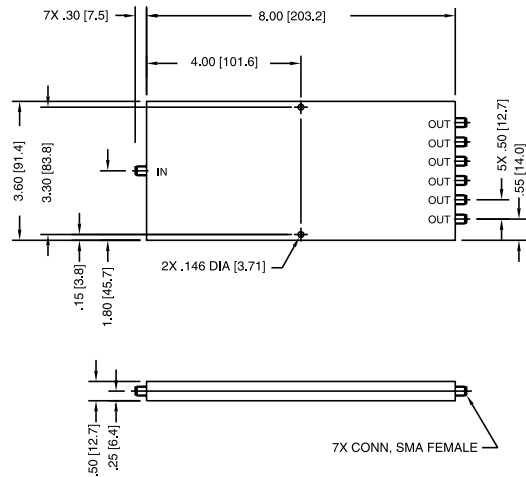
TOL:  
X ±.03 [.5]  
XXX ±.010 [.25]

**MODEL 4372A-3**



TOL:  
XX ±.03 [.5]  
XXX ±.010 [.25]

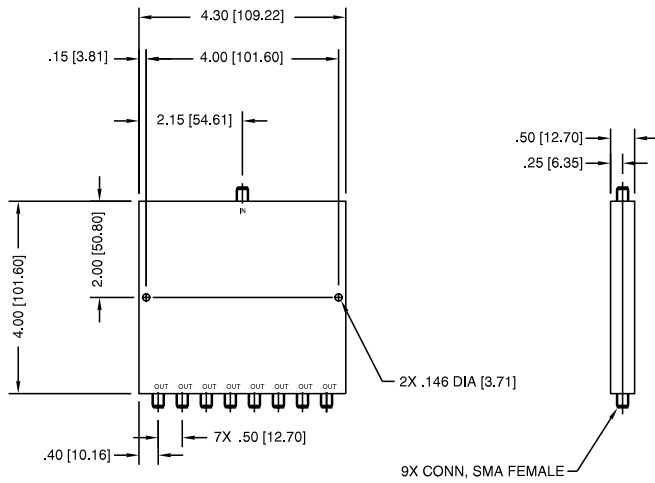
**MODEL 4372A-4**



TOL:  
XX ±.03 [.5]  
XXX ±.010 [.25]

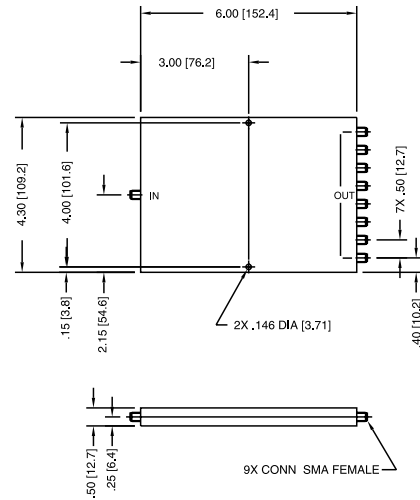
**MODEL 4372A-6**

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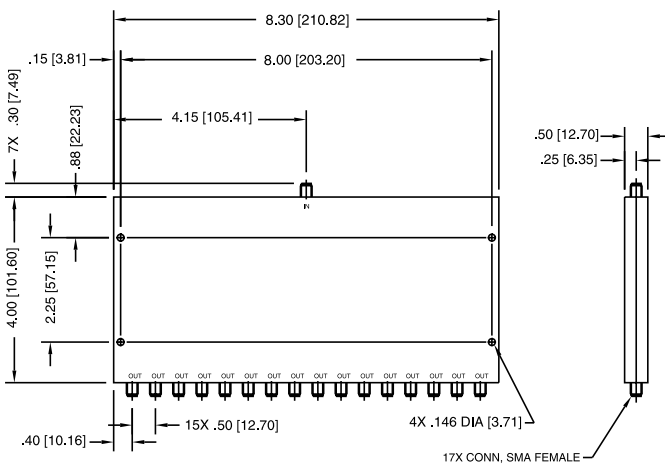
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 XX ±.03 [.5]  
 XXX ±.010 [.25]

**MODEL 4162-8**



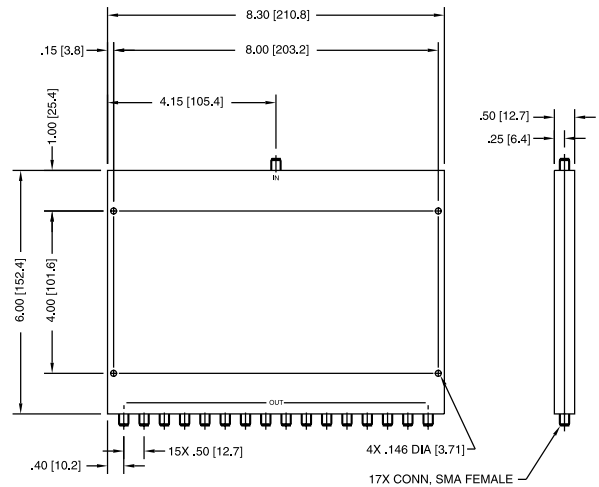
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 XX ±.03 [.5]  
 XXX ±.010 [.25]

**MODEL 4152-8**



TOL:  
 XX ±.03 [.5]  
 XXX ±.010 [.25]

**MODEL 4162-16**



TOL:  
 XX ±.03 [.5]  
 XXX ±.010 [.25]

**MODEL 4152-16**