

VISHAY / THIN FILM High Precision 8 Pin Resistor Networks/Dividers

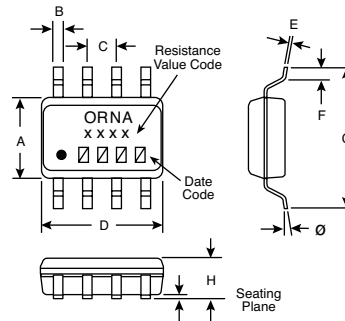
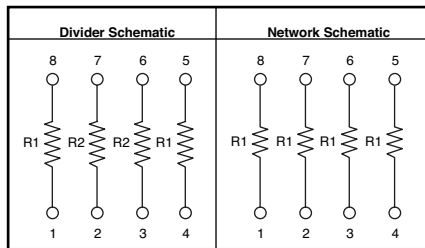
ORN AND ORNA SERIES - DUAL-IN-LINE NETWORKS AND DIVIDERS

Features:

- Standard divider resistor ratios from 1:1 to 100:1
- Ratio match tolerance to 0.01%
- TC tracking of ± 2 ppm
- Standard 8 pin JEDEC MS-012 footprint

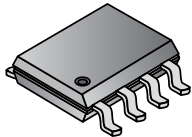
Applications:

- Differential amplifiers
- Precision voltage dividers
- Bridge networks circuitry



Dimensions

	IN.	mm
A	0.157	3.99
B	0.0165±0.0025	0.4±0.06
C	0.050	1.27
D	0.195 Max.	4.93
E	0.008±0.001	0.20±0.03
F	0.028±0.001	0.71±0.02
G	0.239±0.005	6.07±0.13
H	0.068 Max.	1.73
I	0.008±0.002	0.22±0.06
Ø	2" to 6"	



Typical Performance

●	ABS	Tracking
TCR	25	5
	ABS	Ratio
TOL	0.1	0.05



RoHS Compliant



LEAD-FREE

Resistor Networks

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Tolerance	Ratio Tolerance	Price Each				
					1	10	25	50	100
71-ORNTA1001AUF	ORNTA1001AUF	1K	0.1%	0.1%					
71-ORNTA1001FUF	ORNTA1001FUF	1K	1%	0.5%					
71-ORNTA1001ZUF	ORNTA1001ZUF	1K	0.1%	0.025%					
71-ORNTA1002AUF	ORNTA1002AUF	10K	0.1%	0.1%					
71-ORNTA1002BUF	ORNTA1002BUF	10K	0.1%	0.1%					
71-ORNTA1002DUF	ORNTA1002DUF	10K	0.5%	0.1%					
71-ORNTA1002ZUF	ORNTA1002ZUF	10K	0.1%	0.025%					
71-ORNTA1003AUF	ORNTA1003AUF	100K	0.1%	0.1%					
71-ORNTA1003ZUF	ORNTA1003ZUF	100K	0.1%	0.025%					
71-ORNTA2001AUF	ORNTA2001AUF	2K	0.1%	0.1%					
71-ORNTA2002BUF	ORNTA2002BUF	20K	0.1%	0.1%					
71-ORNTA2002ZUF	ORNTA2002ZUF	20K	0.1%	0.025%					
71-ORNTA5000AUF	ORNTA5000AUF	500	0.1%	0.1%					
71-ORNTA5001AUF	ORNTA5001AUF	5K	0.1%	0.1%					
71-ORNTA5001DUF	ORNTA5001DUF	5K	0.5%	0.1%					
71-ORNTA5001ZUF	ORNTA5001ZUF	5K	0.1%	0.025%					
71-ORNTA5002AUF	ORNTA5002AUF	50K	0.1%	0.1%					

Dividers

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω		Ratio R1:R2	Price Each				
		R1	R2		1	10	25	50	100
71-ORNTA2-1UF	ORNTA2-1UF	10K	5K	2:1					
71-ORNTA5-1UF	ORNTA5-1UF	10K	2K	5:1					
71-ORNTA10-1UF	ORNTA10-1UF	10K	1K	10:1					
71-ORNTA50-1UF	ORNTA50-1UF	50K	1K	50:1					
71-ORNTA100-1UF	ORNTA100-1UF	100K	1K	100:1					

VISHAY / SFERNICE High Precision Resistor Arrays

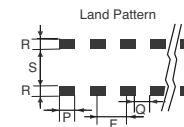
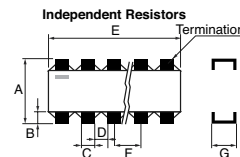
PRA 100, 182 SERIES

Features:

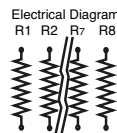
- 100mW Resistor
- Packaged in waffle - Tape and reel available
- High stability passivated nichrome resistive layer 0.02% on ratio 1000h at Pn at 70°C
- Tight TCR (10 ppm/°C) and TCR tracking (to 1ppm/°C)
- Very low noise <35dB and voltage coefficient <0.1ppm/V
- Ratio tolerance from .1% to .01% (R₂≥20R)
- Pre-tinned terminations over nickel barrier
- Also available: One common point N Resistor
- Absolute Tolerance: .1%
- Ratio Tolerance: .05%



RoHS Compliant



MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	25	50	100
71-PRA100I2-1KBWN	PRA100I2-1KBWN	1K				
71-PRA100I2-5KBWN	PRA100I2-5KBWN	5K				
71-PRA100I2-10KBWN	PRA100I2-10KBWN	10K				
71-PRA100I2-50KBWN	PRA100I2-50KBWN	50K				
71-PRA100I2-100KBWN	PRA100I2-100KBWN	100K				
71-PRA100I4-1KBWN	PRA100I4-1KBWN	1K				
71-PRA100I4-5KBWN	PRA100I4-5KBWN	5K				
71-PRA100I4-10KBWN	PRA100I4-10KBWN	10K				
71-PRA100I4-50KBWN	PRA100I4-50KBWN	50K				
71-PRA100I4-100KBWN	PRA100I4-100KBWN	100K				
71-PRA182I2-1KBWN	PRA182I2-1KBWN	1K				
71-PRA182I2-10KBWN	PRA182I2-10KBWN	10K				
71-PRA182I2-100KBWN	PRA182I2-100KBWN	100K				
71-PRA182I4-1KBWN	PRA182I4-1KBWN	1K				
71-PRA182I4-10KBWN	PRA182I4-10KBWN	10K				
71-PRA182I4-100KBWN	PRA182I4-100KBWN	100K				



DIM	PRA 100		PRA 182	
	mm	mil	mm	mil
A	1.6 +2/-1	63	3 +2/-1	118
B	.4 ±.2	16	.4 ±.2	16
C	.65 ±.15	25.5	1.3 +.35/- .15	51
D	.25	10	.25	10
E	E=(NXF)±.2mm		E=(NXF)±.8mil	
F	1	40	1.82	72
G	.38 +.02/-0	15	.38 +2/-0	15
P	.7	27.5	1.52	59.8
Q	.3	12	.3	12
R	1	40	1	40
S	.6	23.5	1.8	70.8