

Thin Film Networks

VSOR Series - DIL Surface Mount

1.27mm (0.05") Pitch



Dimensions

A 9.8 to 9.98 B 0.51



- Bussed or isolated circuits
- 16 pin small outline package
- Tantalum nitride on silicone technology
- Compatible with automatic insertion equipment

Power rating per element 100mW TCR tracking ±10ppm/°C
 Resistance tolerance ±5% TCR absolute ±100ppm/°C
 Maximum voltage 50V d.c.

Stocked in the following OHMIC Values:

VSOR 1601 Bussed Resistors

330R = 120-3463 1K = 120-3465 4K7 = 120-3467 10K = 120-3468
 470R = 120-3464 2K2 = 120-3466

VSOR 1603 Isolated Resistors

10R = 120-3446 47R = 120-3451 330R = 120-3455 2K2 = 120-3458
 22R = 120-3449 100R = 120-3452 470R = 120-3456 4K7 = 120-3461
 33R = 120-3450 220R = 120-3453 1K = 120-3457 10K = 120-3462

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Style	Order Code	Price Each				
		1+	25+	50+	100+	+
VSOR 1601	All Values	174.00	159.00	150.00	107.00	--
VSOR 1603	All Values	174.00	159.00	150.00	107.00	--

VSSR Series - DIL Surface Mount

0.635mm (0.025") Pitch



Dimensions

A 4.8 to 4.98 B 0.22



- Bussed or isolated circuits
- 16 pin small outline package
- Tantalum nitride on silicone technology
- Compatible with automatic insertion equipment

Power rating per element 100mW TCR tracking ±10ppm/°C
 Resistance tolerance ±5% TCR absolute ±100ppm/°C
 Maximum voltage 50V d.c.

Stocked in the following OHMIC Values:

VSSR 1601 Bussed Resistors

330R = 120-3482 1K = 120-3483 2K2 = 120-3485 4K7 = 120-3486 10K = 120-3487

VSSR 1603 Isolated Resistors

33R = 120-3469 220R = 120-3473 510R = 120-3475 1K = 120-3478 10K = 120-3480
 51R = 120-3470 330R = 120-3474 680R = 120-3477 2K2 = 120-3479 20K = 120-3481
 68R = 120-3471

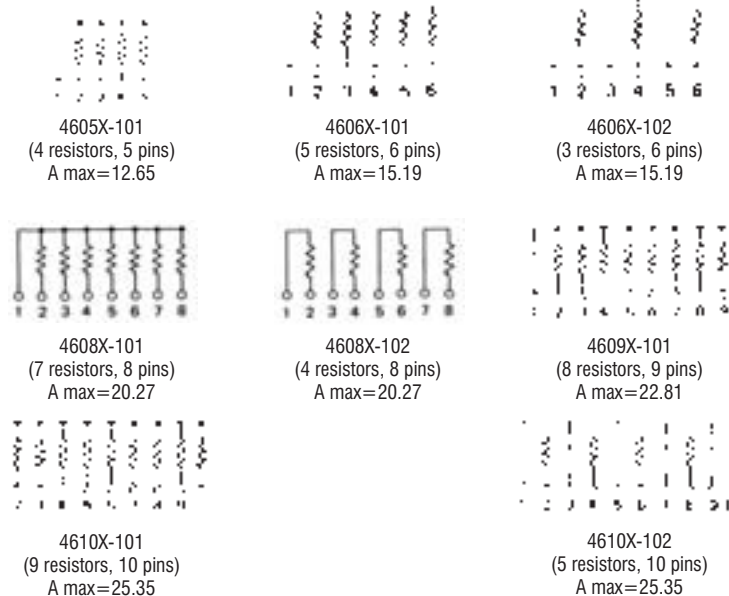
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Style	Order Code	Price Each				
		1+	25+	50+	100+	+
VSSR 1601	All Values	174.00	159.00	150.00	107.00	--
VSSR 1603	All Values	174.00	159.00	150.00	107.00	--

Conformal Single In-Line Package



Schematic Diagrams



Thick film, resistor networks in 5, 6, 8, 9 or 10 pin, the 8 pin being available in either bussed or isolated configuration. Laser marked on a gold epoxy coating for permanent identification.

Power rating @ 70°C 200mW/element (bussed) Resistance T.C. tracking ±50ppm/°C
 300mW/element (isolated) Voltage rating 100V dc
 Resistance tolerance ±=1,5033ppm/°C for 10R to 50R) Insulation resistance 10MΩ min
 Resistance T.C. ±2% Operating temperature -55°C to +125°C
 (±250ppm/°C for 10R to 50R)

Stocked in the following OHMIC Values:

- 4605X-101**
 1K = 219-150 4K7 = 219-174 22K = 447-195 100K = 447-213
 2K2 = 219-162 10K = 219-186 47K = 447-201
- 4606X-101**
 100R = 107-039 680R = 476-330 3K3 = 476-353 22K = 107-046 220K = 107-049
 150R = 476-328 1K = 107-042 4K7 = 107-044 47K = 107-047 470K = 107-050
 220R = 107-040 1K5 = 476-341 10K = 107-045 100K = 107-048 1M = 107-051
 470R = 107-041 2K2 = 107-043
- 4606X-102**
 100R = 476-365 2K2 = 447-237 10K = 447-250 1M = 476-389
 1K = 447-225 4K7 = 447-249 100K = 476-377
- 4608X-101**
 33R = 477-369 220R = 148-968 2K2 = 148-971 22K = 148-974 220K = 106-098
 47R = 477-370 470R = 148-969 4K7 = 148-972 47K = 148-975 470K = 106-099
 100R = 148-967 1K = 148-970 10K = 148-973 100K = 148-977 1M = 106-100
- 4608X-102**
 10R = 107-052 100R = 107-055 680R = 447-330 2K7 = 447-341 100K = 107-064
 22R = 107-053 150R = 447-304 1K = 107-058 3K3 = 447-353 220K = 107-065
 33R = 447-262 270R = 447-316 1K5 = 476-390 10K = 107-061 470K = 107-066
 47R = 107-054 330R = 447-328 2K2 = 107-059 22K = 107-062 1M = 107-067
 56R = 447-274 470R = 107-057
- 4609X-101**
 10R = 106-101 150R = 447-365 1K = 148-981 4K7 = 148-983 47K = 148-986
 22R = 106-102 180R = 447-377 1K5 = 447-419 15K = 476-407 100K = 148-988
 33R = 477-382 270R = 447-389 2K2 = 148-982 18K = 447-444 220K = 106-104
 47R = 106-103 470R = 148-980 2K7 = 447-420 22K = 148-985 470K = 106-105
 100R = 148-978 680R = 447-407 3K3 = 447-432 33K = 447-456 1M = 106-106
- 4610X-101**
 100R = 148-989 470R = 148-991 3K3 = 447-481 22K = 148-996 220K = 106-110
 150R = 476-419 1K = 148-992 4K7 = 148-994 47K = 148-997 470K = 106-111
 220R = 148-990 2K2 = 148-993 10K = 148-995 100K = 148-999 1M = 106-112
 330R = 447-468
- 4610X-102**
 10R = 476-420 47R = 447-511 220R = 447-535 1K = 447-559 4K7 = 447-572
 22R = 447-493 100R = 447-523 470R = 447-547 2K2 = 447-560 10K = 452-269
 33R = 447-500

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Style	Order Code	Price Each			
		5+	100+	500+	1K+
4605X-101	All Values	14.00	12.00	12.00	9.00
4606X-101	All Values	14.00	12.00	12.00	9.00
4606X-102	All Values	14.00	12.00	12.00	9.00
4608X-101	All Values	16.00	13.00	12.00	9.00
4608X-102	All Values	16.00	13.00	12.00	9.00
4609X-101	All Values	16.00	13.00	12.00	9.00
4610X-101	All Values	19.00	16.00	14.00	12.00
4610X-102	All Values	19.00	16.00	14.00	12.00