

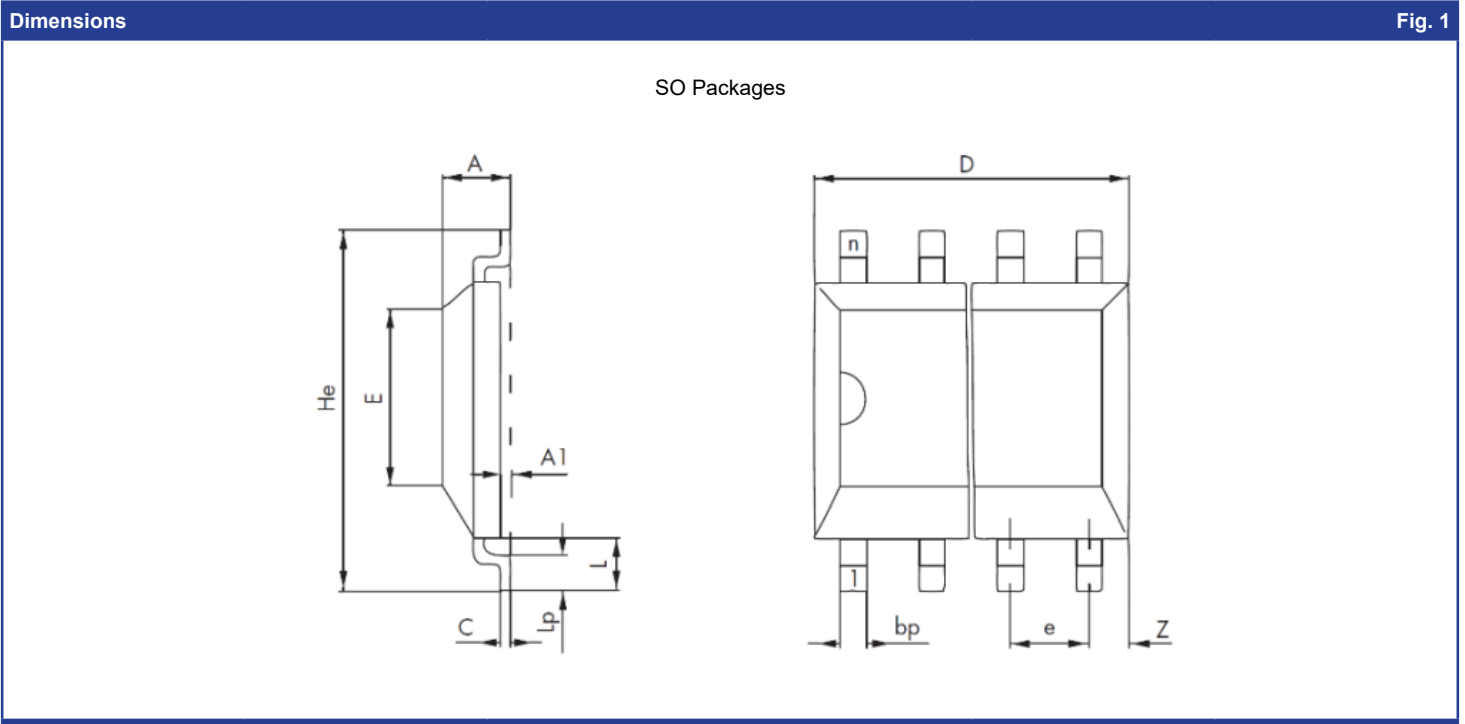
- Precision surface mount resistor networks
- 5Ω to 10MΩ resistance range
- Thin film (NiCr) applied on passivated silicon (Si) substrate or
- Aluminum (Al₂O₃) substrate for operating frequencies above 10kHz
- Excellent ratio and tracking data
- Wide variety of schematics achievable
- Relative data (TCR, tolerance & stability) tighter than using singular resistors
- Isolating voltage up to 1kV on aluminum substrate
- Standard and customised resistor networks available



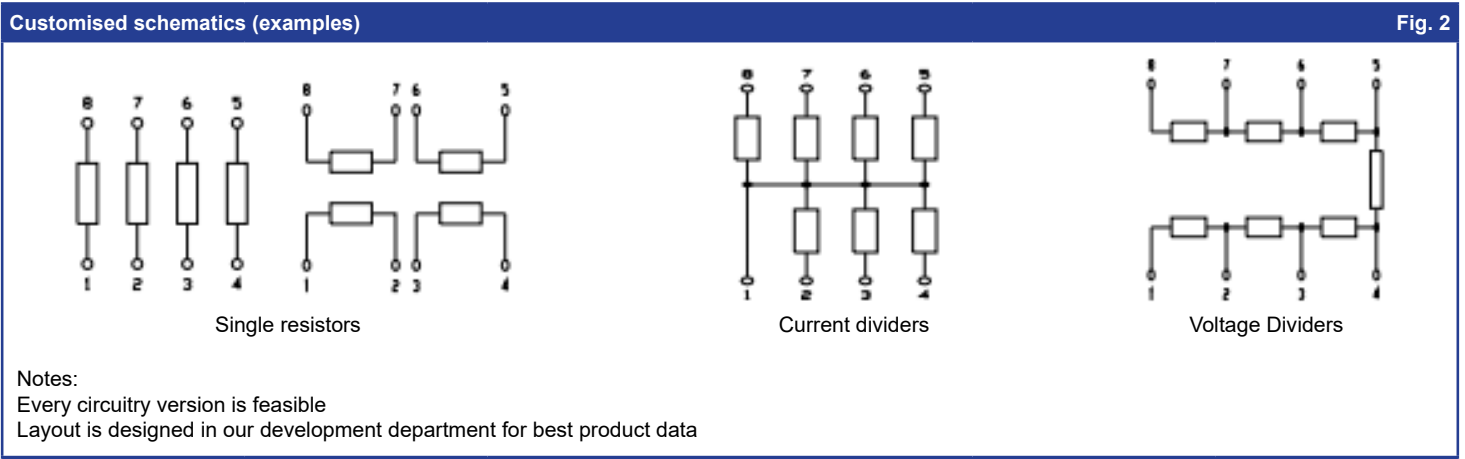
Technical Data							Table 1
Size	SO 8	SO 14	SO 16	SO 18L	SO 20L	SSOP 14-20	
Power rating P ₇₀ (W) (P ₁₂₅ = 0W)	0.25W	0.25W	0.25W	0.4W	0.5W	0.25W	

Technical Data - General					
Resistance range	SO / SSOP				
	5Ω to 10MΩ				
Isolating voltage	On silicon substrate: 100VDC, on aluminum substrate: 1000VDC				
Tolerance (%)	absolute	±0.05; ±0.1; ±0.25; ±0.5; ±1			
	relative	<0.025; <0.05; <0.1			
Temperature coefficient TCR (ppm/k)	absolute	±5 ¹ ; ±10; ±25; ±050			
	relative	<0.5 ¹ ; <1; <2; <5; <10			
Operating temperature range	-55°C to +125°C				
Storage temperature range	-55°C to +155°C				
Climatic category acc. to EN 60068-1	25, 125, 56				
Solderability acc. to EN 60068-2-58	245°C, 3s				
Max. soldering temperature acc. to EN 60068-2-58	260°C, 10s				
Long term stability	Tolerance ≤0.25%		Tolerance > 0.25%		
		1,000h	10,000h	1,000h	10,000h
Storage 125°C/1000h	absolute	< 0.02%	< 0.06%	< 0.05%	<0.1%
	relative	<0.005%	<0.02%	<0.01%	<0.05%
Storage 155°C/1000h	absolute	< 0.1%	< 0.2%	< 0.2%	<0.5%
	relative	<0.05%	<0.1%	<0.1%	<0.2%
Damp heat (56d/40°C/96%)	absolute	<0.05%		<0.10%	
	relative	< 0.01%		<0.5%	
1) Temperature range 0 ... + 75°C					

Dimensions (mm)						Table 2
Size	D (nom.)	He (nom.)	A (nom.)	Pitch e	bp	Pins
S0 8	4.9	6.0	1.75	1.27	0.41	8
S0 14	8.65	6.0	1.75	1.27	0.41	14
S0 16	9.9	6.0	1.75	1.27	0.41	16
S0 18L	11.58	10.31	2.54	1.27	0.41	18
SO 20L	12.8	10.31	2.54	1.27	0.41	20
SSOP 14	4.9	6.0	1.75	0.635	0.26	14
SSOP 16	4.9	6.0	1.75	0.635	0.26	16
SSOP 18	8.65	6.0	1.75	0.635	0.26	18
SSOP 20	8.65	6.0	1.75	0.635	0.26	20

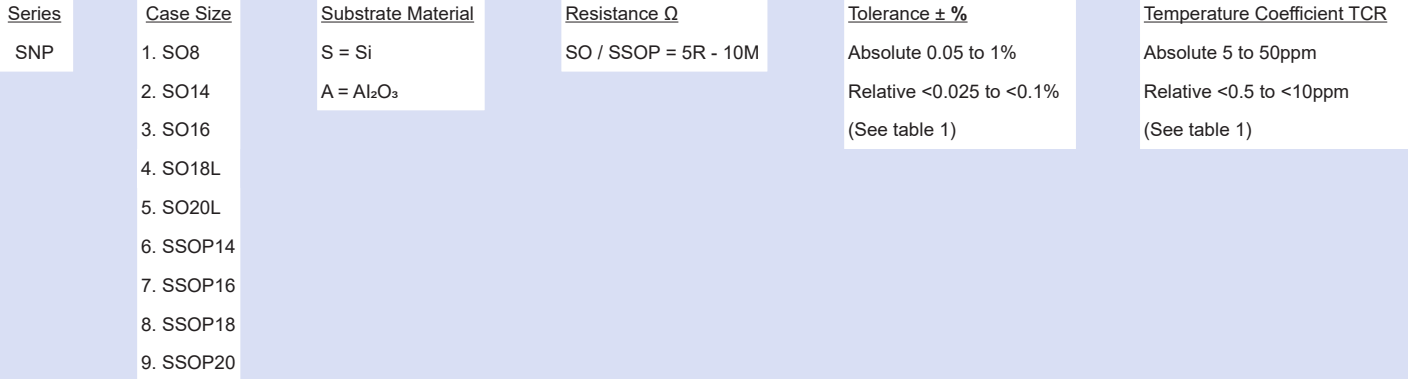


Packaging
Bulk in plastic bags, tube, tape reel



Example Ordering Code

S N P 3 S 1 M 1 / 0 . 2 5 5 0 / 1 0



Enquiry and Ordering Data

- Size
- Substrate material (Si, Al₂O₃)
- Number and connection of resistors (circuitry)
- Resistance values
- Tolerance and TCRs (absolute and relative)
- Power rating
- Operating temperature range
- Special requirements
- Packaging (tube, tape/reel, bulk) [Contact Durakool for minimum order quantities](#)
- Quantity