

ARCOL Current Sense Chip Resistors - 8 Watt



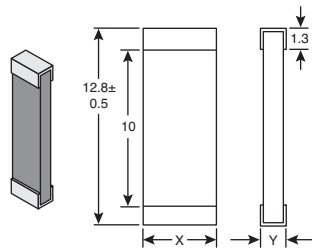
Features:

- 8 Watt power rating
- Non-inductive design
- Low profile surface mount package
- Excellent pulse/surge performance

Specifications:

- Power Dissipation: 8 Watts (with 700 micron PCB thermal pad)
- Values: .0005, .001, .002, .005 Ohms
- Operating Temperature: -55°C to 175°C
- Tolerance: ± 1%
- Marking: 3 digits of resistance value and tolerance code F (1%)
- TCR: ± 50ppm/°C (Measured ± 30ppm/°C)
- Current: 90A (at 1MΩ), Max Current: 126A (2.5 sec one time)
- Series Inductance: 5nH

NEW FROM SUPPLIER



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Arcol Part No.	Value (Ω)	Price Each			
			1	25	50	100
284-AP5025.0005F	AP5025 R0005 F	.0005	3.04	2.85	2.50	2.29
284-AP5025.001F	AP5025 R001 F	.001	3.04	2.85	2.50	2.29
284-AP5025.002F	AP5025 R002 F	.002	3.04	2.85	2.50	2.29
284-AP5025.005F	AP5025 R005 F	.005	3.04	2.85	2.50	2.29

DIMENSIONS: mm

Part No.	X	Y
AP5025 R001F	4.0	1.14
AP5025 R002F	4.0	0.64
AP5025 R003F	2.7	0.64
AP5025 R003F	4.5	0.44
AP5025 R004F	5.3	0.34
AP5025 R005F	4.4	0.34

ARCOL High Power Non-Inductive SMD Resistor - 10 Watt



Features:

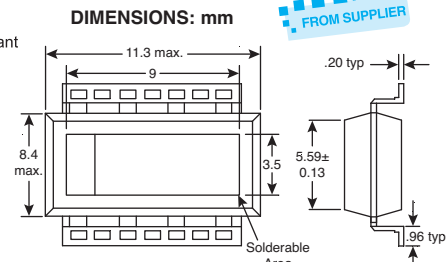
- 10 Watt power rating
- Non-inductive design
- Low profile SOIC package
- Low thermal resistance in each axis

Specifications:

- Power Dissipation: 10 Watts (with use of suitable thermal PCB pad)
- Operating Temperature: -55°C to 155°C
- Tolerance: ± 5%
- TCR: ± 100ppm/°C (10 ohm and above)
- Dielectric Strength: 4000Vdc (60 seconds)
- Max Voltage: 500Vdc or √(P.R)
- Insulation Resistance: >100MΩ (between terminals and tab)

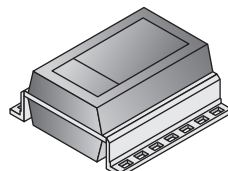


NEW FROM SUPPLIER



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Arcol Part No.	Value (Ω)	Price Each			
			1	50	100	500
284-ASP10-10J	ASP10 10R J TB	10	1.71	1.48	1.37	1.15
284-ASP10-100J	ASP10 100R J TB	100	1.71	1.48	1.37	1.15
284-ASP10-470J	ASP10 470R J TB	470	1.71	1.48	1.37	1.15
284-ASP10-1KJ	ASP10 1K J TB	1K	1.71	1.48	1.37	1.15
284-ASP10-10KJ	ASP10 10K J TB	10K	1.71	1.48	1.37	1.15
284-ASP10-100KJ	ASP10 100K J TB	100K	1.71	1.48	1.37	1.15



ARCOL Thick Film Power Resistors - 100 Watt



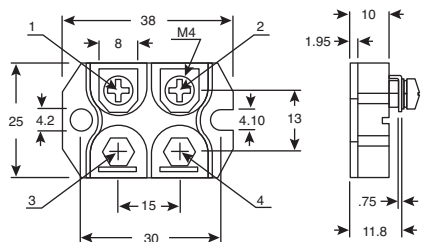
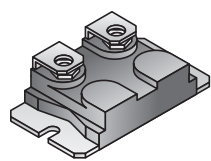
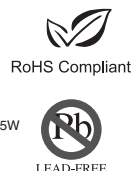
FPA SERIES

Features:

- ISOTOP/SOT227 semiconductor style package
- 100W dissipation in a small footprint
- Very low inductance
- Direct heatsink mounting - 0.85°C/W
- Due to a Non-Inductive design these elements are ideally suited for high frequency and pulse load applications

Specifications:

- TCR: 250ppm
- Power rating at 25°C: 100W
- Max working voltage: 1kV
- Working temperature range: -55°C to +155°C
- Non-Heatsink mounted rating: 2.5W



Value Table						
2.0	6.8	22	100	470	3.3K	
2.2	8.0	33	150	680	4.7K	
3.3	10	47	220	1K	6.8K	
4.0	15	50	300	1.5K	10K	
4.7	16	68	330	2.2K	22K	

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	10	25	50
284-FPA100-Value	33.36	31.69	30.02	28.91

ARCOL Thick Film Power Resistors - 250 Watt



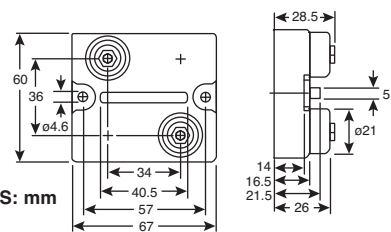
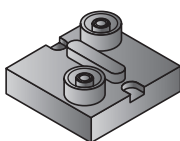
FPA SERIES

Features:

- High Power/Volume Ratio
- Direct heat sink mounting
- Due to a Non-Inductive design these elements are ideally suited for high frequency applications

Specifications:

- Power rating: 250W (heat sink at 100°C)
- Temperature coefficient: 100ppm/°C
- Max working voltage: 5000V
- Working temperature: -55°C to +155°C
- Dielectric strength: 7000V/12kV



Value Table				
1.0	4.0	10.0	50.0	470.0
2.2	4.7	22.0	100.0	1K
3.3	5.0	47.0	330.0	10K

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	10	25	50
284-FPA250-Value	87.02	82.67	78.53	74.61

ARCOL Axial Silicon Coated Resistors - 5 Watt (3 Watt Package)



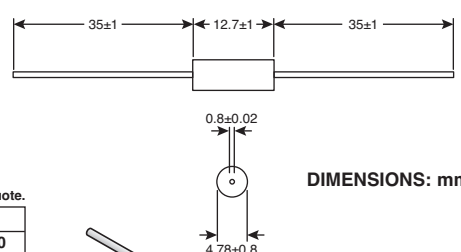
ACS SERIES

Features:

- 5 watt resistor is the size of a generic 3 watt resistor
- Inductive type resistors
- Tape & Reel: 1000 per Reel

Specifications:

- Resistance tolerance: < 1% (10%) 1Ω and > (5%)
- Temperature range: -55°C to +350°C
- Temperature coefficient: <1Ω (90ppm/°C) 1Ω to 10Ω (50ppm/°C) >10Ω (20ppm/°C)
- Insulation resistance: 1000MΩ Min.
- Dielectric withstand voltage: 500VAC



Value Table					
0.1	0.6	3.3	330	3.3K	
0.12	0.68	3.9	39	390	3.9K
0.15	0.7	4.7	47	470	4.7K
0.2	0.8	5.6	56	560	5.6K
0.22	0.82	6.8	68	680	6.8K
0.3	0.9	8.2	82	820	8.2K
0.33	1.0	10	100	1K	10K
0.39	1.2	12	120	1.2K	12K
0.4	1.5	15	150	1.5K	15K
0.47	1.8	18	180	1.8K	18K
0.5	2.2	22	220	2.2K	22K
0.56	2.7	27	270	2.7K	

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Range of Values	Price Each			
		1	25	100	250
284-ACS5SW-Value	0.1 - 0.9	1.50	1.35	1.22	1.09
284-ACS5SW-Value	1 - 8.2	1.00	.90	.81	.73
284-ACS5SW-Value	10 - 82	.95	.86	.77	.69
284-ACS5SW-Value	100 - 820	.95	.86	.77	.69
284-ACS5SW-Value	1K - 2.7K	1.00	.90	.81	.73
284-ACS5SW-Value	3.3K - 6.8K	1.10	.99	.89	.81
284-ACS5SW-Value	8.2K - 12K	1.50	1.35	1.22	1.09
284-ACS5SW-Value	15K - 22K	1.60	1.44	1.30	1.17