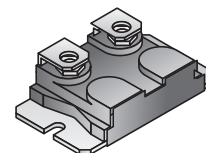
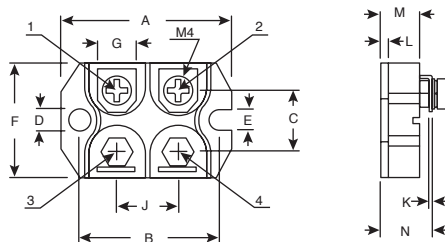


# ARCOL Thick Film Power Resistors - 100 Watt



## 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



RoHS Compliant  
LEAD-FREE

- 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
<a href="#">284-FPA100-Value</a>	22.63	20.57	18.70	17.00

	Dimensions (mm)					
	A	B	C	D	E	F
MIN	38.00	30.10	12.60	4.00	4.10	24.40
MAX	38.20	30.30	12.80	N/A	4.30	25.40
	G	J	K	L	M	N
MIN	7.80	14.9	0.75	1.95	8.9	12.5
MAX	8.20	15.1	0.85	2.05	9.1	13.5

Power Resistors

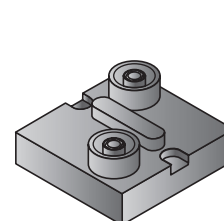
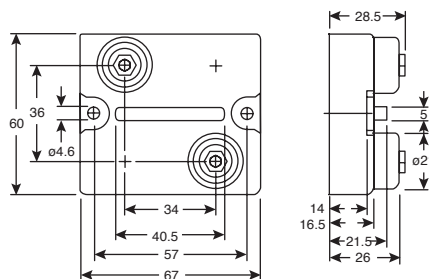
# ARCOL Thick Film Power Resistors - 250 Watt



## FPA SERIES

DIMENSIONS: mm

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



RoHS Compliant  
LEAD-FREE

- 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	50	470
2.2	4.7	22	100	1K
3.3	5.0	47	330	10K

For quantities of 100 and up, call for quote.

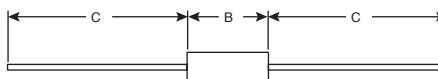
MOUSER STOCK NO.	Price Each			
	1	10	25	50
<a href="#">284-FPA250-Value</a>	87.02	82.67	78.53	74.61

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

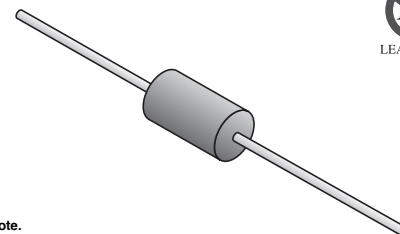
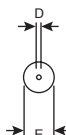


## ACS SERIES

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



- Specifications:**
- Resistance tolerance: < 1Ω (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



RoHS Compliant  
LEAD-FREE

Value Table					
0.1	0.6	3.3	330	3.3K	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	2.7K

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

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

Type	Dimensions (mm)			
	B	C	D	E
ACS 5S	12.7±1.0	35.0±1.0	0.8±0.02	4.78±0.8