

Power Resistors

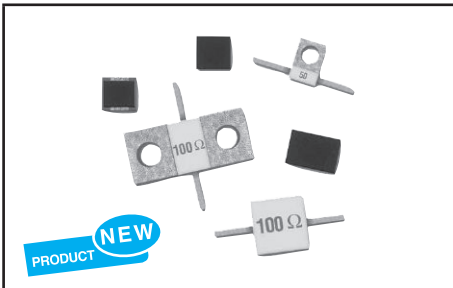
RoHS Compliant This product is RoHS compliant.

AVX RP SERIES, HIGH POWER RESISTORS AND TERMINATIONS

The RP Series of high power resistive products was designed to expand AVX's existing product offering for resistors, attenuators and terminations. AVX's offering now includes high power resistor series - chip (RP3 series), surface mount chip (RP4, RP5 series), flange mount chip (RP6 series), and leaded chip (RP7 series).

Features:

- Thin Film (Sputter) Technology
- 4W to 250W Aluminum Nitride (BeO Free)
- 400W/800W (BeO)
- RF Designs: DC-18 GHz matched and mismatched designs available
- Cu Flanges, Ni plated Ag plated for Non-Magnetic applications
- Parallel Gap Welded leads



MOUSER STOCK NO.	AVX Part No.	Value (Ω)	Tol. (%)	Power (Watts)	Price Each			
					1	50	100	500
581-RP42010R0100GTTTR	RP42010R0100GTTTR	100	±2	10	3.00	2.75	2.50	2.25
581-RP42010R0050GTTTR	RP42010R0050GTTTR	50	±2	10	3.00	2.75	2.50	2.25
581-RP43725R0100GTTTR	RP43725R0100GTTTR	100	±2	30	6.45	5.91	5.38	4.84
581-RP43737R0100GTTTR	RP43737R0100GTTTR	100	±2	40	10.14	9.30	8.45	7.61
581-RP43737R0050GTTTR	RP43737R0050GTTTR	50	±2	40	10.14	9.30	8.45	7.61
581-RP60300R0100JNBK	RP60300R0100JNBK	100	±5	20	8.25	6.19	5.50	4.68
581-RP60515R0100JNBK	RP60515R0100JNBK	100	±5	60	10.95	8.21	7.30	6.21
581-RP60800R0100JNBK	RP60800R0100JNBK	100	±5	100	14.25	10.69	9.50	8.08
581-RP60870R0100JNBK	RP60870R0100JNBK	100	±5	150	14.55	10.91	9.70	8.25
581-RP60975R0100JNBK	RP60975R0100JNBK	100	±5	250	15.00	11.25	10.00	8.50
581-RP92010T0050GTTTR	RP92010T0050GTTTR	50	±2	10	3.00	2.75	2.50	2.25
581-RP92525T0050GTTTR	RP92525T0050GTTTR	50	±2	20	5.70	5.23	4.75	4.28
581-RP93725T0050GTTTR	RP93725T0050GTTTR	50	±2	30	6.45	5.91	5.38	4.84
581-RP93737T0050GTTTR	RP93737T0050GTTTR	50	±2	40	10.14	9.30	8.45	7.61
581-RPA0300T0050JNBK	RPA0300T0050JNBK	50	±5	20	9.00	6.75	6.00	5.10

For quantities greater than listed, call for quote.

BOURNS PWR220T-20 SERIES POWER RESISTORS

Features:

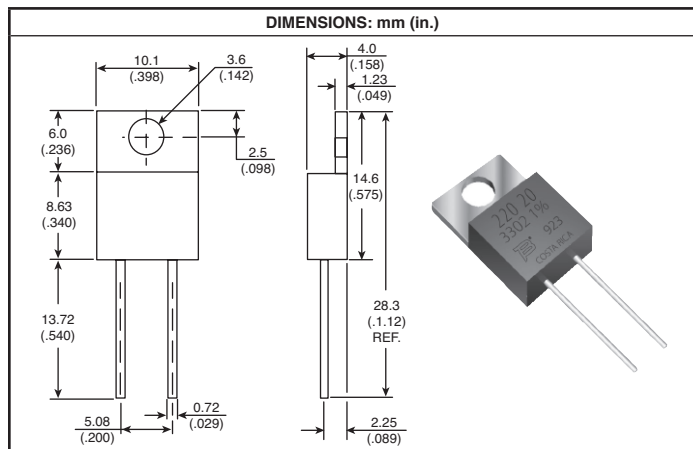
- TO-220 housing
- Low inductance
- Resistor electrically isolated from the backplate

Specifications:

- Operating Temp. Range: -55°C to +155°C
- Inductance: 0.1μH maximum
- Power rating: 20 watts
- Tolerance: ±1%

Applications:

- Power supplies
- Motor drives
- Rectifiers



MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each				
			1	10	50	100	500
652-PWR220T-20-R100F	PWR220T-20-R100F	0.1	3.93	3.57	3.07	2.50	2.35
652-PWR220T-20-R500F	PWR220T-20-R500F	0.5	3.93	3.57	3.07	2.50	2.35
652-PWR220T-20-R750F	PWR220T-20-R750F	0.75	3.93	3.57	3.07	2.50	2.35
652-PWR220T-20-1R00F	PWR220T-20-1R00F	1	3.93	3.57	3.07	2.50	2.35
652-PWR220T-20-1R50F	PWR220T-20-1R50F	1.5	3.93	3.57	3.07	2.50	2.35
652-PWR220T-20-2R00F	PWR220T-20-2R00F	2	3.93	3.57	3.07	2.50	2.35
652-PWR220T-20-2R50F	PWR220T-20-2R50F	2.5	3.93	3.57	3.07	2.50	2.35
652-PWR220T-20-3R00F	PWR220T-20-3R00F	3	3.93	3.57	3.07	2.50	2.35
652-PWR220T-20-3R30F	PWR220T-20-3R30F	3.3	3.93	3.57	3.07	2.50	2.35
652-PWR220T-20-4R70F	PWR220T-20-4R70F	4.7	3.93	3.57	3.07	2.50	2.35
652-PWR220T-20-5R60F	PWR220T-20-5R60F	5.6	3.58	3.25	2.79	2.27	2.14
652-PWR220T-20-7R50F	PWR220T-20-7R50F	7.5	3.58	3.25	2.79	2.27	2.14
652-PWR220T-20-10R0F	PWR220T-20-10R0F	10	3.58	3.25	2.79	2.27	2.14
652-PWR220T-20-47R0F	PWR220T-20-47R0F	47	3.58	3.25	2.79	2.27	2.14
652-PWR220T-20-50R0F	PWR220T-20-50R0F	56	3.58	3.25	2.79	2.27	2.14
652-PWR220T-20-75R0F	PWR220T-20-75R0F	75	3.58	3.25	2.79	2.27	2.14
652-PWR220T-20-1000F	PWR220T-20-1000F	100	3.58	3.25	2.79	2.27	2.14
652-PWR220T-20-3300F	PWR220T-20-3300F	330	3.58	3.25	2.79	2.27	2.14
652-PWR220T-20-4700F	PWR220T-20-4700F	470	3.58	3.25	2.79	2.27	2.14
652-PWR220T-20-1001F	PWR220T-20-1001F	1000	3.58	3.25	2.79	2.27	2.14

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BOURNS PWR221T-30 SERIES POWER RESISTORS

Features:

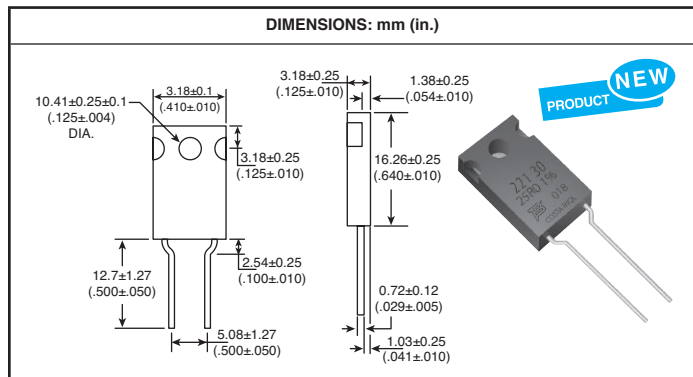
- TO-220 housing
- Low inductance
- Ceramic backplane

Specifications:

- Operating Temp. Range: -55°C to +150°C
- Inductance: 0.1μH maximum
- Power rating: 30 watts

Applications:

- Power supplies
- Motor drives
- Rectifiers



MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Tol. (%)	Price Each				
				1	10	50	100	500
652-PWR221T-30-R500F	PWR221T-30-R500F	0.5	1%	2.93	2.48	2.03	1.80	1.62
652-PWR221T-30-R150F	PWR221T-30-R150F	0.15	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-R250F	PWR221T-30-R250F	0.25	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-R330F	PWR221T-30-R330F	0.33	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-1R00F	PWR221T-30-1R00F	1	1%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-1R00J	PWR221T-30-1R00J	1	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-2R00F	PWR221T-30-2R00F	2	1%	2.93	2.48	2.03	1.80	1.62
652-PWR221T-30-2R20F	PWR221T-30-2R20F	2.2	1%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-2R20J	PWR221T-30-2R20J	2.2	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-2R50F	PWR221T-30-2R50F	2.5	1%	2.93	2.48	2.03	1.80	1.62
652-PWR221T-30-4R70F	PWR221T-30-4R70F	4.7	1%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-4R70J	PWR221T-30-4R70J	4.7	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-5R00F	PWR221T-30-5R00F	5	1%	2.60	2.20	1.48	1.25	1.25
652-PWR221T-30-5R00J	PWR221T-30-5R00J	5	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-8R00F	PWR221T-30-8R00F	8	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-8R20F	PWR221T-30-8R20F	8.2	1%	2.60	2.20	1.48	1.25	1.25
652-PWR221T-30-8R20J	PWR221T-30-8R20J	8.2	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-10R0F	PWR221T-30-10R0F	10	1%	2.60	2.20	1.48	1.25	1.25
652-PWR221T-30-10R0J	PWR221T-30-10R0J	10	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-25R0F	PWR221T-30-25R0F	25	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-47R0F	PWR221T-30-47R0F	47	1%	2.60	2.20	1.48	1.25	1.25
652-PWR221T-30-47R0J	PWR221T-30-47R0J	47	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-50R0F	PWR221T-30-50R0F	50	1%	2.60	2.20	1.48	1.25	1.25
652-PWR221T-30-56R0F	PWR221T-30-56R0F	56	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-75R0F	PWR221T-30-75R0F	75	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-1000F	PWR221T-30-1000F	100	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-1200F	PWR221T-30-1200F	120	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-5600F	PWR221T-30-5600F	560	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-1501F	PWR221T-30-1501F	1500	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-7501F	PWR221T-30-7501F	7500	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-5001F	PWR221T-30-5001F	5K	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-1002F	PWR221T-30-1002F	10K	1%	2.60	2.20	1.48	1.25	1.25
652-PWR221T-30-1002J	PWR221T-30-1002J	10K	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-3002F	PWR221T-30-3002F	30K	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-4002F	PWR221T-30-4002F	40K	1%	2.76	2.33	1.91	1.70	1.53

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				1	10	50	100	500
652-PWR221T-30-R050J	PWR221T-30-R050J	0.05	5%	2.60	2.04	1.80	1.60	1.44
652-PWR221T-30-R033J	PWR221T-30-R033J	0.033	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-R020J	PWR221T-30-R020J	0.02	5%	1.60	2.20	1.80	1.60	1.44
652-PWR221T-30-R030J	PWR221T-30-R030J	0.03	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-R050J	PWR221T-30-R050J	0.05	5%	2.60	2.04	1.80	1.60	1.44
652-PWR221T-30-R100F	PWR221T-30-R100F	0.1	1%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-R100J	PWR221T-30-R100J	0.1	5%	2.60	2.20	1.80	1.60	1.44
652-PWR221T-30-R200F	PWR221T-30-R200F	0.2	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-R300F	PWR221T-30-R300F	0.3	1%	2.76	2.33	1.91	1.70	1.53
652-PWR221T-30-R400F	PWR221T-30-R400F	0.4	1%	2.76	2.33	1.91	1.70	1.53

For quantities greater than listed, call for quote.