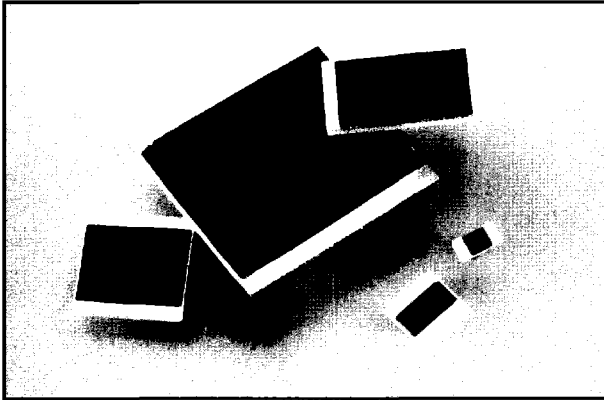


HIGH POWER CHIP TERMINATIONS



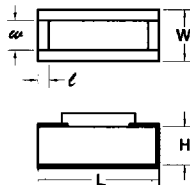
General Specifications

- Resistance 50 Ohms \pm 5% standard
- OTHER RESISTANCE VALUES AND TOLERANCES AVAILABLE UPON REQUEST.

Material Specifications

- Solderable Terminals Fired Platinum Silver or TIN/LEAD over Nickel
- Substrate Beryllium Oxide Ceramic
- Resistive Element Proprietary Nichrome Thin Film
- Environment Meets applicable portions of MIL-E-5400 and MIL-R-55342

| POWER WATTS | PART NUMBER | W | L | H | w | l | FREQUENCY | MAX. VSWR |
|-------------|-------------|-------|-------|-------|-------|-------|-------------------------------|--------------|
| 10 | 82-*001 | 0.100 | 0.200 | 0.040 | 0.100 | 0.040 | DC - 4.0 GHz | 1.35 |
| 15 | 82-*002 | 0.200 | 0.200 | 0.040 | 0.200 | 0.040 | DC - 4.0 GHz | 1.35 |
| 20 | 82-*012 | 0.250 | 0.250 | 0.062 | 0.230 | 0.060 | DC - 1.0 GHz 1.0 - 2.0 GHz | 1.20 1.35 |
| 20 | 82-*049 | 0.200 | 0.100 | 0.040 | 0.048 | 0.055 | DC - 9.0 GHz | 1.40 |
| 30 | 82-*019 | 0.350 | 0.230 | 0.040 | 0.230 | 0.060 | DC - 1.0 GHz | 1.50 |
| 50 | 82-*003 | 0.250 | 0.250 | 0.040 | 0.230 | 0.060 | DC - 2.0 GHz | 1.35 |
| 75 | 82-*007 | 0.250 | 0.375 | 0.125 | 0.250 | 0.060 | DC - 1.0 GHz 1.0 - 1.5 GHz | 1.25 1.40 |
| 150 | 82-*006 | 0.250 | 0.375 | 0.040 | 0.250 | 0.060 | DC - 0.5 GHz 0.5 - 1.0 GHz | 1.20 1.35 |
| 250 | 82-*008 | 0.375 | 0.375 | 0.040 | 0.250 | 0.060 | DC - 0.5 GHz 0.5 - 1.0 GHz | 1.25 1.35 |
| 800 | 82-*011 | 1.000 | 1.000 | 0.060 | 0.412 | 0.090 | DC - 500 MHz | 1.50 |



Notes

Power ratings are average power and based on maximum film temperature of 150°C and heat sink temperature of 100°C maximum.

Ordering Information

Example82 - XXX

Chip Termination _____

*Terminal Options _____

Platinum Silver - **1** _____

TIN/LEAD over Nickel - **3** _____