



20 "E" Series RoHS Material Declaration

| Series Prefix | 21J | 22J | 23J | 25J | 27J | 20J |
|-----------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|
| Description | 1 Watt Vitreous Enamel | 2 Watt Vitreous Enamel | 3 Watt Vitreous Enamel | 5 Watt Vitreous Enamel | 7 Watt Vitreous Enamel | 10 Watt Vitreous Enamel |
| Peak Reflow Deg C | 260 C | 260 C | 260 C | 260 C | 260 C | 260 C |
| Time @ Peak (seconds) | 10 Seconds | 10 Seconds | 10 Seconds | 10 Seconds | 10 Seconds | 10 Seconds |
| Number of Reflows | 2 | 2 | 2 | 2 | 2 | 2 |
| MSL | 1 | 1 | 1 | 1 | 1 | 1 |
| Terminal Finish | SnAgCu | SnAgCu | SnAgCu | SnAgCu | SnAgCu | SnAgCu |

| RoHS Compliant Designation on Product Label | RoHS Logo | RoHS Logo | RoHS Logo | RoHS Logo | RoHS Logo | RoHS Logo |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| Lead Free parts are identified on Packing list as Pb Free? | No | No | No | No | No | No |
| Terminal Finish Category [per JESD97 or IPC-1066] | e1 | e1 | e1 | e1 | e1 | e1 |

| Banned Materials Declaration (ppm) | | | | | | |
|---------------------------------------|---|---|---|---|---|---|
| Cadmium | - | - | - | - | - | - |
| Lead | - | - | - | - | - | - |
| Mercury | - | - | - | - | - | - |
| Hexavalent Chromium (Chrome VI) | - | - | - | - | - | - |
| Polybrominated biphenyls (PBB) | - | - | - | - | - | - |
| Polybrominated diphenyl ethers (PBDE) | - | - | - | - | - | - |
| Asbestos mixtures | - | - | - | - | - | - |
| Chlorinated/Brominated dioxins | - | - | - | - | - | - |
| Chlorofluorocarbons (CFC) | - | - | - | - | - | - |
| Polychlorinated biphenyls | - | - | - | - | - | - |
| Radioactive Substances | - | - | - | - | - | - |
| Tin organic compounds | - | - | - | - | - | - |
| Ethylene Glycol Ethers | - | - | - | - | - | - |
| Azo Dyes | - | - | - | - | - | - |
| Beryllium | - | - | - | - | - | - |

| Critical Materials Declaration (ppm) | | | | | | |
|--|---------|---------|---------|---------|--------|--------|
| Barium | - | - | - | - | - | - |
| Cobalt | - | - | - | - | - | - |
| Bismuth | - | - | - | - | - | - |
| Copper | 278,539 | 399,391 | 311,359 | 148,097 | 89,102 | 78,660 |
| Gold | - | - | - | - | - | - |
| Palladium | - | - | - | - | - | - |
| Phthalates | - | - | - | - | - | - |
| Magnesium | 22,193 | 48,401 | 36,936 | 53,551 | 53,381 | 61,425 |
| Short Chain paraffins | - | - | - | - | - | - |
| Fully/Partially halogenated CFC's | - | - | - | - | - | - |
| Polychlorinated naphthalenes | - | - | - | - | - | - |
| Nickel | 12,455 | 30,140 | 19,409 | 12,040 | 61,994 | 7,448 |
| Selenium | - | - | - | - | - | - |
| Silver | - | - | - | - | - | - |
| Methyl Bromide hydrobromofluorocarbons | - | - | - | - | - | - |
| Tin | 6,517 | 7,382 | 4,788 | 2,031 | 645 | 607 |
| Zinc | - | - | - | - | - | - |
| Antimony | - | - | - | - | - | - |
| Arsenic | - | - | - | - | - | - |

| | | | | | | |
|--------|---------|---------|---------|---------|---------|---------|
| Others | 680,296 | 514,685 | 627,509 | 784,282 | 794,878 | 851,860 |
|--------|---------|---------|---------|---------|---------|---------|

| | | | | | | |
|----------------------|------|------|------|------|------|------|
| Part Weight in grams | 0.56 | 0.62 | 0.96 | 2.25 | 7.09 | 7.54 |
|----------------------|------|------|------|------|------|------|

Note: The information provided in this declaration is true to the best of Ohmite's knowledge. Ohmite has derived most of the information listed in this declaration from documents provided by third parties, and assumes no liability to any inaccuracy of such information.

RoHS compliant part number will end with the letter "E". Example: 21F1R0E