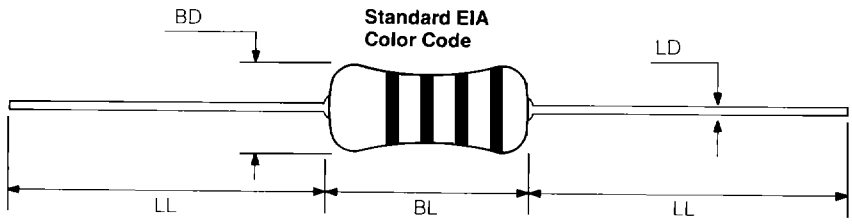
# MOR SERIES
# FIXED METAL OXIDE FILM RESISTOR (FLAME PROOF)



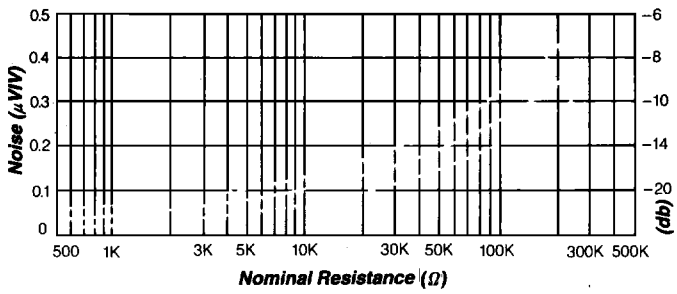

## DIMENSION

mm (inch)

| Style | Body | | Lead Wire | |
|---|---|---|---|---|
| | BL | BD | LL | LD |
| MOR1/2 | 9±0.4 (.354) (.016) | 3.3±0.2 (.130) (.008) | 27±1.0 (1.063) (.039) | 0.7±0.05 (.028) (.002) |
| MOR 1 | 11±1.0 (.433) (.039) | 3.8±0.5 (.150) (.020) | 31±1.0 (1.220) (.039) | 0.8±0.05 (.031) (.002) |
| MOR 2 | 15±1.5 (.591) (.059) | 5.5±0.5 (.217) (.020) | 34±1.0 (1.339) (.039) | 0.8±0.05 (.031) (.002) |
| MOR 3 | 24±1.5 (.945) (.059) | 8.0±1.0 (.315) (.039) | 29±1.0 (1.142) (.039) | 0.8±0.05 (.031) (.002) |

## CURRENT NOISE

**Confidence Level 90%**



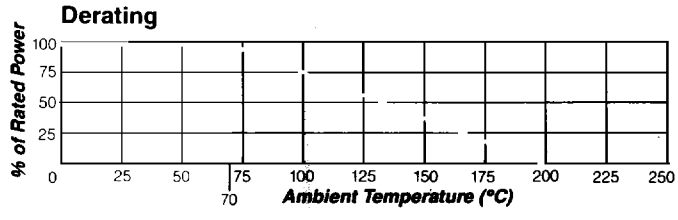

## GENERAL SPECIFICATIONS

| Style | Power Rating (70°C) | Max. Working Voltage | Max. Over Load Voltage | Operating Temp. | Tolerance (%) | Resistance Range (Ω) |
|---|---|---|---|---|---|---|
| MOR1/2 | 0.5W | 250V | 400V | −55°C to +200°C | ±2 (G) or ±5 (J) | 1Ω↔1MΩ |
| MOR 1 | 1W | 350V | 600V | | | 1Ω↔1MΩ |
| MOR 2 | 2W | 350V | 600V | | | 1Ω↔1MΩ |
| MOR 3 | 3W | 500V | 800V | | | 1Ω↔1MΩ |

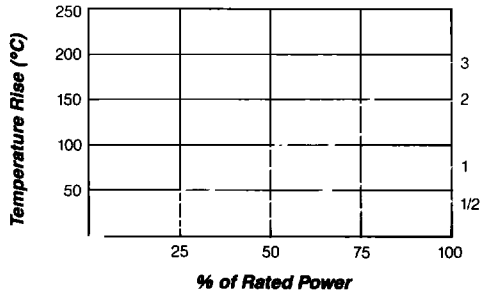
## PERFORMANCE SPECIFICATIONS

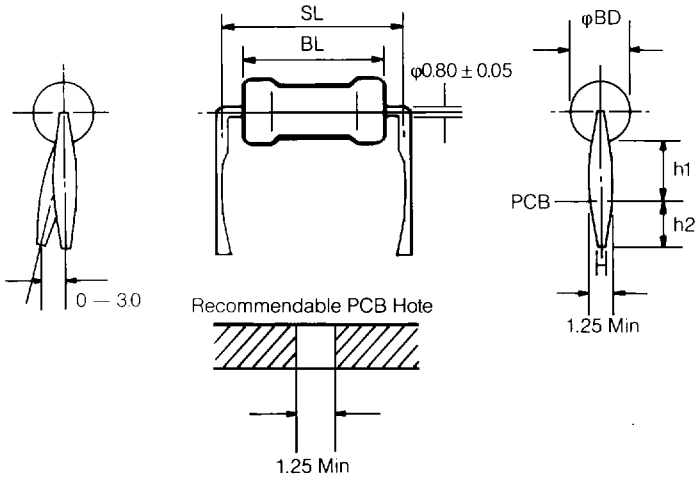
| Test Item | Performance Requirements |
|---|---|
| Temperature Coefficient | +100 (For G), ±200 (For J) PPM/°C |
| Short Time Over Load | ±(1.0%+0.05Ω) |
| Temperature Cycle | ±(0.5%+0.05Ω) |
| Solder Heat | ±(0.5%+0.05Ω) |
| Vibration | ±(0.5%+0.05Ω) |
| Noise | <0.5 μV/V (−6 dB) |
| Moisture Resistance | ±(1.0%+0.05Ω) |
| Load Life | ±(1.0%+0.05Ω) |

## Derating




## Surface Temperature Rise




(FORMING TYPE FIGURE)

## FORMING DIMENSION

mm (inch)

| Style | BL | BD | SL | H1 | H2 |
|---|---|---|---|---|---|
| MOR1/2 | 9.0±0.4 (.354) (.016) | 3.3±0.2 (.130) (.008) | 15±1.0 (.591) (.039) | 6±1.0 (.236) (.039) | 3.5±0.5 (.138) (.020) |
| MOR 1 | 11±1.0 (.433) (.039) | 3.8±0.5 (.150) (.020) | 15±1.0 (.591) (.039) | 6±1.0 (.236) (.039) | 3.5±0.5 (.138) (.020) |
| MOR 2 | 15±1.5 (.591) (.059) | 5.5±0.5 (.217) (.020) | 20±2.0 (.787) (.079) | 10±2.0 (.394) (.079) | 3.5±0.5 (.138) (.020) |
| MOR 3 | 24±1.5 (.945) (.059) | 8.0±1.0 (.315) (.039) | 35±2.0 (.378) (.079) | 10±2.0 (.394) (.079) | 3.5±0.5 (.138) (.020) |