



HIGH POWER THIN FILM SERIES REDUCES PCB SIZE AND COMPONENT COST

MCS 0402 HP – MCU 0805 HP – High Power Thin Film Chip Resistors

Features:

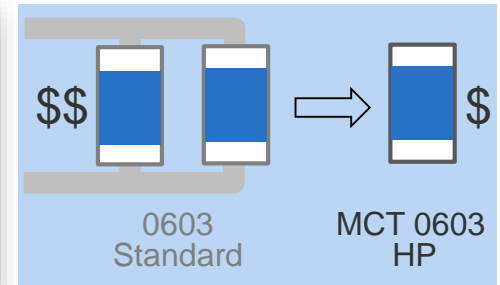
- 175 °C operating temperature
- Up to 3-times higher power rating
 $P_{70} = 200 \text{ mW}$ for MCS 0402 HP
→ reduce case size (replace one 0805 by 0402)
- High long term stability: $\leq 0.2 \%$ (P_{70} for 1000 h)
- **AEC-Q200 qualified**, Vishay AGP product

Benefits

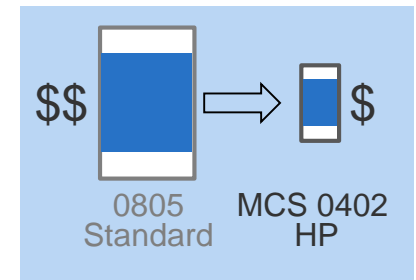
- Replacement of paralleled **thin film** resistors
- Replacement of larger sized **thin film** resistors

Applications:

- Automotive (e.g. ECU, DC/DC converter)
- Industrial (e.g. drives)



Example



Example

Power rating (W) P_{70}	MC_ HP	Standard Thin Film
0.063	-	0402
0.1	-	0603
0.20	0402	0805
0.25	0603	1206
0.40	0805	-