

CHP



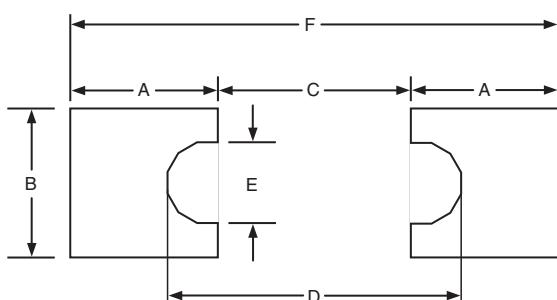
Cylindrical High Power Surface Mount Metal Glaze™

Physical Data

IRC Type	Size Code	Industry Footprint	Actual Size	Dimensions (Inches and mm)		
				L	W	C
				0.128 ± 0.007 (3.25 ± 0.18)	0.057 ± 0.006 (1.45 ± 0.15)	0.020 ± 0.010 (0.51 ± 0.25)
CHP 1/8	B	1206	■	0.128 ± 0.007 (3.25 ± 0.18)	0.057 ± 0.006 (1.45 ± 0.15)	0.020 ± 0.010 (0.51 ± 0.25)
MRC 1/2	C	1206	■	0.128 ± 0.007 (3.25 ± 0.18)	0.063 ± 0.010 (1.60 ± 0.25)	0.020 ± 0.010 (0.51 ± 0.25)
CHP 1/2	D	2010	■■	0.200 ± 0.010 (5.08 ± 0.25)	0.079 ± 0.006 (2.01 ± 0.15)	0.030 ± 0.010 (0.761 ± 0.25)
MRC 1	E	2010	■■	0.200 ± 0.010 (5.08 ± 0.25)	0.105 ± 0.006 (2.67 ± 0.15)	0.040 ± 0.015 (1.02 ± 0.38)
CHP 1	F	2512	■■	0.251 ± 0.010 (6.38 ± 0.25)	0.079 ± 0.006 (2.01 ± 0.15)	0.040 ± 0.010 (1.02 ± 0.25)
CHP 2	H	3610	■■■	0.367 ± 0.010 (9.32 ± 0.25)	0.105 ± 0.006 (2.67 ± 0.15)	0.050 ± 0.010 (1.27 ± 0.25)



Recommended Solder Pad Dimensions (Reflow):



Size Code	Industry Footprint	Dimensions (Inches and mm)					
		A	B	C	D	E	F
B & C	1206	0.076 (1.93)	0.093 (2.36)	0.058 (1.47)	0.098 (2.49)	0.032 (0.81)	0.211 (5.36)
D	2010	0.111 (2.82)	0.126 (3.20)	0.096 (2.44)	0.152 (3.86)	0.040 (1.02)	0.318 (8.08)
E	2010	0.170 (4.32)	0.160 (4.06)	0.072 (1.83)	0.132 (3.35)	0.044 (1.12)	0.412 (10.46)
F	2512	0.121 (3.07)	0.126 (3.20)	0.127 (3.23)	0.183 (4.65)	0.040 (1.02)	0.369 (9.37)
H	3610	0.170 (4.32)	0.160 (4.06)	0.213 (5.41)	0.273 (6.93)	0.044 (1.12)	0.553 (14.05)

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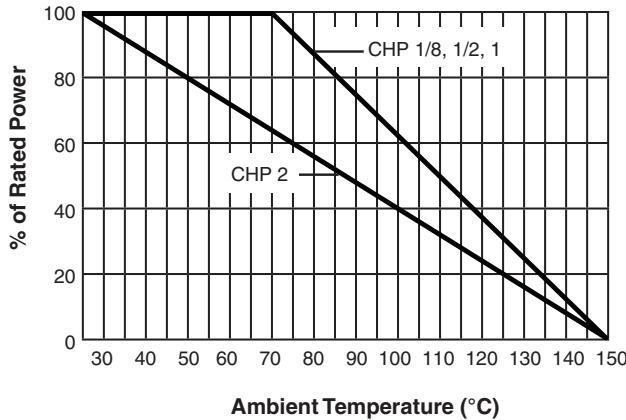


Standard Reel Packaging per EIA-481:

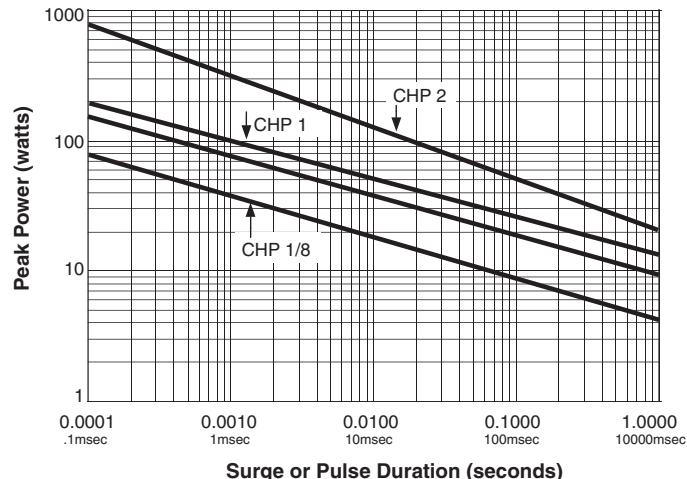
IRC Type	Size Code	Industry Footprint	Reel Diameter*	Quantity Per Reel	Carrier Tape Width	Component Pitch
CHP 1/8 MRC 1/2	B C	1206	7"	2,500 max.	8mm	4mm
			13"	10,000 max.		
CHP 1/2 MRC 1	D E	2010	7"	1,500 max.	12mm	4mm
			13"	5,000 max.		
CHP 1	F	2512	7"	1,500 max.	12mm	4mm
			13"	5,000 max.		
CHP 2	H	3610	13"	1,500 max.	24mm	4mm

*The 13" reel is considered standard and will be supplied unless otherwise specified.

Power Derating Curve



Repetitive Surge Curve



Surge or Pulse Duration (seconds)

Note: Use for repetitive pulses where the average power dissipation is not to exceed the component rating at 70°C. Surge handling capacity for low-repetitive surges may be significantly greater than shown above. Contact factory for recommendations.

Ordering Data

Sample Part No. **CHP 1 - 100 2203 F 13 LF**

IRC Type
(CHP 1/8, CHP 1/2, CHP 1, or CHP 2)

Temperature Coefficient
(50 ppm, 100 ppm)

Resistance Value
(100 ohms and greater - First 3 significant digits plus 4th digit multiplier)
Example: 100 ohms = 100, 1000 ohms = 1001, 150,000 ohms = 1503
(Less than 100 ohms - "R" is used to designate decimal)
Example: 51 ohms = 51R0, 1 ohm = 1R00, 0.25 ohms = R250

Tolerance
(C = 0.25%, D = 0.5%, F = 1.0%; G = 2.0%; J = 5.0%)

Packaging Code*
(BLK = Bulk, 7 = 7" Reel, 13 = 13" Reel)

Lead Free Construction.....