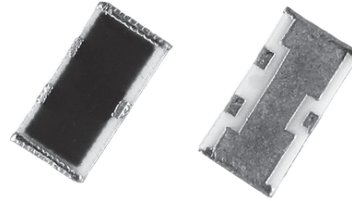


Thin Film 6dB Power Splitter

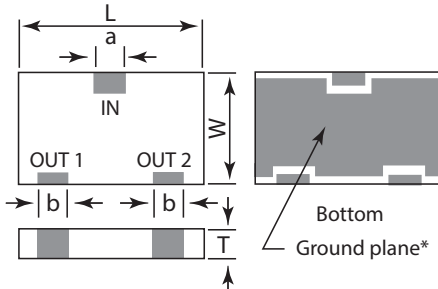
Features

- 96% alumina substrate
- NiCr resistive element
- Broadband to 30 GHz (Face down mounting)
- 100% matte tin terminals
- Sizes from 0402 to 1206
- Three resistor “Y” configuration
- RoHS compliant
- Wraparound terminals
- Tape and reel packaging



| Part Number | (L)ength ± 0.004" | (W)idth ± 0.004" | (T)hickness Max | (a) input ± 0.004" | (b) outputs ± 0.004" | Max Power | Rated Power | Impedance | Attachment Method | Terminal Metallization |
|-------------|----------------------|---------------------|--------------------|-----------------------|-------------------------|-----------|-------------|-----------|----------------------|---------------------------|
| IPT-0402WA | 0.039" | 0.020" | 0.016" | 0.016" | 0.014" | 200 mW | 100 mW | 50 Ω | Solder | NiCr/Ni/Sn |
| IPT-0603WA | 0.063" | 0.031" | 0.020" | 0.018" | 0.014" | 200 mW | 100 mW | 50 Ω | Solder | NiCr/Ni/Sn |
| IPT-0805WA | 0.079" | 0.049" | 0.020" | 0.018" | 0.014" | 250 mW | 125 mW | 50 Ω | Solder | NiCr/Ni/Sn |
| IPT-1206WA | 0.126" | 0.063" | 0.020" | 0.014" | 0.016" | 500 mW | 250 mW | 50 Ω | Solder | NiCr/Ni/Sn |

Dimensional Outline



*No ground plane on the 0402

| Item | Specification |
|------------------------|--|
| Frequency Range | IPT-0402WA: DC-20GHz, DC to 30 GHz face down IPT-1206WA: DC-15GHz, DC to 25 GHz face down |
| Attenuation | 6 dB ± 0.5 dB (DC to less than 10 GHz) 6 dB ± 1.0 dB (10 GHz up) |
| Distribution Deviation | Max 0.3 dB |
| Input VSWR | 1.3 or less (DC to less than 10 GHz) 1.5 or less (10 GHz up) |
| Output VSWR | 1.3 or less (DC to less than 10 GHz) 1.5 or less (10 GHz up) |
| Temperature Range | -40 °C to +125 °C |

Ordering Information

Example: 0402, 100 mW, 50Ω, 6 dB 2 way splitter with wraparound terminals, taped face down

IPT - 0402WA - C - U

Sizes

0402
0603
0805
1206

Packaging

Blank - Standard T/R
U - Face down T/R

Terminal Style

WA - Wraparound

Impedance

C - 50 ohms

