

THIN FILM RESISTIVE PRODUCTS

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With decades of experience in high reliability thin film products for the RF, Microwave, Telecommunications, Medical, Fiber-Optics, Defense, Space and Commercial industries, PPI produces the highest quality and broadest variety of resistors and Thin Film components (Standard and Custom designed). Facilities include an in-house RF lab that enables PPI to characterize both commercial and MIL-PRF-55342 Class H qualified parts. Capabilities include, but are not limited to, filled vias, gold bumping, and castellations on substrates from AlN to Quartz. Standard lead times are typically 4-8 weeks.

Thin Film Resistors are typically used for applications that require high stability, high accuracy, or low noise. Such applications may include test and measurement equipment, monitoring equipment, medical equipment, audio applications, precision controls and instrumentation.

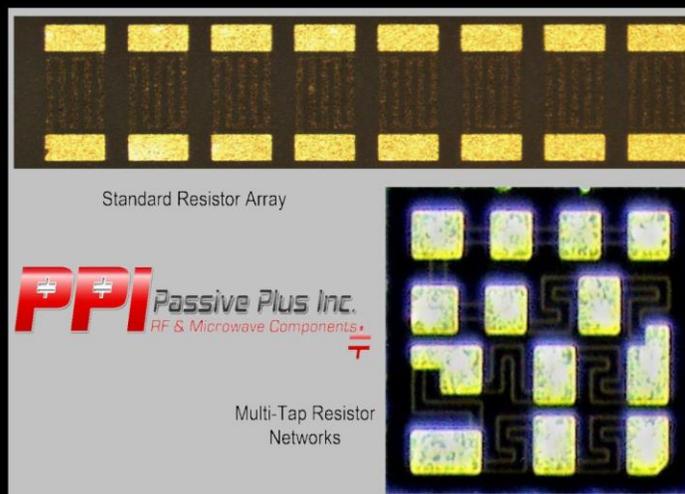
Thin Film Resistors are also able to achieve much lower tolerances and resistor temperature coefficients, have lower noise, lower parasitic inductance and lower capacitance. As a result, thin film resistors are stable at much higher frequencies and will be significantly more stable over their lifetime compared to thick film resistors.

Product Features:

Style	PPI Series	Resistance Range (Ohms)	Operating Frequency	Power Handling
Standard Resistors	PR	0.5 to 35M	DC to 500MHz	50mW - 6W
Back Contact Resistors	PR	5 to 25M	DC to 500MHz	50mW - 750mW
Resistors with Edge Wrap	PR	1 to 3.5M	DC to 500MHz	50mW - 6W
Microwave Resistor	PM	2 to 5k	DC to 60GHz	50mW - 15W
Microwave with Edge Wrap	PM	2 to 5k	DC to 60GHz	50mW - 15W

THIN FILM RESISTOR ARRAYS

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Thin Film Resistor Arrays are typically used for applications that require high stability, high accuracy, or low noise. Such applications may include test and measurement equipment, monitoring equipment, medical equipment, audio applications, precision controls and instrumentation. Thin Film Resistor Arrays are often used to save real estate or where space is an issue.

Product Features:

Style	PPI Series	Resistance Range (Ohms)	Operating Frequency	Power Handling
Standard Resistor Arrays	PS, PB, PI	5 to 1M	DC to 500MHz	50mW per resistor - standard
Multi-Tap Resistor Networks	PN	80 to 500k	DC to 500MHz	250mW

PPI is a manufacturer of high-performance RF/Microwave passive components for the Medical, Semiconductor, Military, Broadcast, and Telecommunications Industries.

PPI specializes in High-Q, Low ESR/ESL Capacitors, Broadband Capacitors, Single Layer Capacitors, Non-Magnetic Resistors (High Power and Thin Film) and Trimmer Capacitors.

PPI is ISO9001:2015 certified.

PPI is known for their outstanding Customer Service, high quality product line, competitive pricing, and quick delivery times. While other companies are pushing out their lead-times for product delivery, PPI is committed to being able to deliver product as quickly as possible. As PPI tries to keep a full inventory in stock, depending on the capacitor and quantities needed, delivery times can be stock to 2-4 weeks.

For more information, please [contact your local Brennan Associates representative.](#)