

Prince & Izant Company

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Pt75/Ir25

TECHNICAL DATA

	Platinum	75.0% ± 1.0
	Iridium	25.0% ± 0.5
	Total Impurities	0.2% max.
	Total Platinum Group (Pd, Rh, Os, Ru), Au	0.1% max.
	Total Other Impurities (Including those listed below)	0.1% max.
NOMINAL COMPOSITION	Lead	0.01% max.
	Antimony	0.01% max.
	Bismuth	0.01% max.
	Tin	0.01% max.
	Arsenic	0.01% max.
	Cadmium	0.01% max.
	Zinc	0.01% max.
	Iron	0.015% max.
	Other elements (each)	0.02% max.
	PHYSICAL PROPERTIES	Color
Melting Point °F (°C)		3380 (1860)
Density (g/cm³)		21.7
Electrical Resistivity (μΩ*cm @ 0°C)		
Fully Annealed:		33
Tensile Strength @ 0.010" diam. (KSI)		
Work hardened:		210 – 230
Fully Annealed:		120 – 130
Elongation @ 0.010" diam. (%)		
Work Hardened:		<2
Fully Annealed:	>10	
USES	Temp. Coeff. Of Resistance (0-100°C)	
	Work Hardened:	0.0006
	Fully Annealed:	0.0007
USES	Pt75/Ir25 is typically utilized for in-vivo applications such as marker bands, feedthrough pins and micro-coil components.	
SPECIFICATIONS	Pt75/Ir25 alloy impurity conforms to: ASTM B684 / B684M -16	
AVAILABLE FORMS	Wire, rod, strip, machined components.	

NOTE:

DISCLAIMER

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