



翔名科技股份有限公司
Feedback Technology Corporation

Date : 2005/04/01
NO : COA0010

CERTIFICATE OF ANALYSIS

Trade Name : TANTALUM
FORMULA : TA

◆ OPTICAL EMISSION SPECTROSCOPY(ALL RESULTS IN PPM)

Item	Value	Item	Value
Carbon	20	Aluminum	10
Calcium	<25	Columbium	<5
Chromium	<1	Copper	1
Iron	9	Magnesium	<1
Manganese	<1	Molybdenum	<12
Niobium	40	Nickel	1
Silicon	6	Tin	<1
Titanium	5	Tungsten	65

◆ PHYSICAL PROPERTIES

Properties	Test Conditions	Unit	
Atomic Weight		M [g/g Atom]	180.95
Melting Point		°C	2996
Density	at 20°C	g/m ³	16.6
Heat Conductivity	at 20°C	W/m · °C	54.4
Linear Thermal Expansion Coefficient	at 20°C	10 ⁻⁶ /°C	6.5
Electrical Resistivity	at 20°C	uΩm	0.125

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Certified By : Feedback Technology Corp.