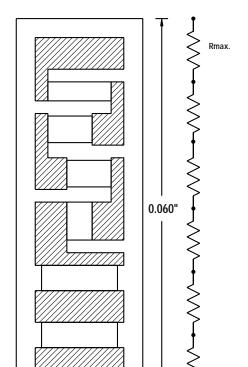
THIN FILM MULTI-TAP RESISTORS

MSMT 116 SERIES LOG RESISTOR



- 0.020" -

MECHANICAL DATA

SIZE 0.060" x 0.020" x 0.010" (±0.003") SILICON OR ALUMINA **SUBSTRATE** RESISTOR TANTALUM NITRIDE **BOND PADS** 25,000 Å MINIMUM GOLD **BACKSIDE SURFACE** BARE SUBSTRATE

GOLD BACK OPTIONAL. SUITABLE FOR EUTECTIC DIE ATTACH

ELECTRICAL DATA

RESISTANCE RANGE 240Ω TOTAL

(SIX RESISTIVE ELEMENTS, 10Ω , 10Ω , 20Ω , 50Ω , 50Ω , AND 100Ω) **TOLERANCE** 5% OR 10% (APPLIES TO INDIVIDUAL RESISTIVE ELEMENTS) T.C.R. ±150ppm/°C STANDARD NOISE -20dB MAX **POWER RATING TO 70°C** 125mW **OPERATING VOLTAGE 100V MAX** SHORT TERM OVERLOAD 5X RATED POWER, 25°C, 5 SEC., ±0.25% MAX. ΔR/R: ±0.1% MSI TYPICAL 150°C, 100 HRS., $\pm 0.25\%$ MAX. $\Delta R/R$: $\pm 0.03\%$ MSI TYPICAL HIGH TEMP EXPOSURE THERMAL SHOCK MIL-STD 202, METHOD 107F, ±0.25% MAX. Δ R/R: ±0.1% MSI TYPICAL MOISTURE RESISTANCE

MIL-STD 202, METHOD 106, ±0.5% MAX. ΔR/R: ±0.1% MSI TYPICAL 1000 HRS., 70°C, 100% POWER, ±0.5% MAX. ΔR/R: ±0.1% MSI TYPICAL **STABILITY**

OPERATING TEMP. RANGE -55°C TO +125°C

PART NUMBER DESIGNATION

MSMT	X -	– <u> </u>	_ XXXXX	X	_ <u>X</u>
SERIES	SUBSTRATE	RESISTIVE FILM	OHMIC VALUE	TOLERANCE	OPTION DESIGNATOR
116	A = Alumina S = Silicon	T = Tantalum Nitride	5-Digit Number: 1st 4 Digits Are Significant With "R" As Decimal Point When Required. 5th Digit Represents Number of Zeros.	J = 5% K = 10%	GB = Gold Backside G = Gold Bond Pads

EXAMPLES: MSMT 116AT-240R0J-GB = 240Ω , $\pm 5\%$ Alumina Substrate, Gold Backside.

Consult sales for other values / configurations



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