

High Value Precision SIP



FEATURES

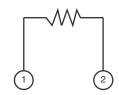
- Lead (Pb)-free available
- High nominal ultra precision resistors (value range 50K - 10M)





- Highly accurate resistance tolerance to ± 0.01 %
- Conformal coating flame resistant (UL94V-) Rating
- Ultra low TCR ± 5 ppm/°C

SCHEMATIC

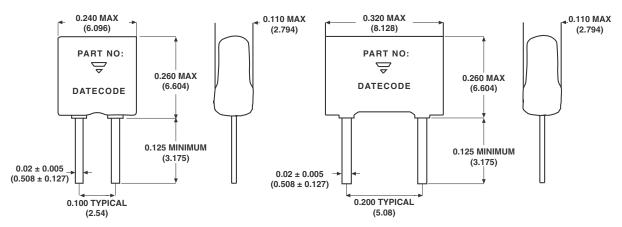


APPLICATIONS

- Precise Instrumentation (Medical, Test etc.)
- Precision Amplifiers

STANDARD ELECTRICAL SPECIFICATIONS				
TEST	SPECIFICATIONS		CONDITIONS	
MATERIAL	TAMELOX			
Resistance Range	HVPS 1 HVPS 2	50 k Ω to 5 M Ω 100 k Ω to 10 M Ω		
TCR	5, 10, 15, 25 ppm/°C		- 55 to + 125 °C	
Tolerance	0.01 %, 0.02 %, 0.05 % 0.10 %, 0.50 %, 1.0 %		Max at + 70 °C Max at + 70 °C	
Stability	500 ppm		2000 hours at + 70 °C	
Voltage Coefficient	< 1.0	ppm/Volt		
Working Voltage/Power Rating	HVPS 1 HVPS 2	250 Volts/125 mW 300 Volts/250 mW		
Operating Temperature Range	- 55 °C	to + 125 °C		
Noise	<-	30 dB		
Thermal EMF	< 0.	1 μV/°C		
Shelf Life Stability	< 100 ppm		1 year at + 25 °C	

DIMENSIONS AND INPRINTING in inches [millimeters]

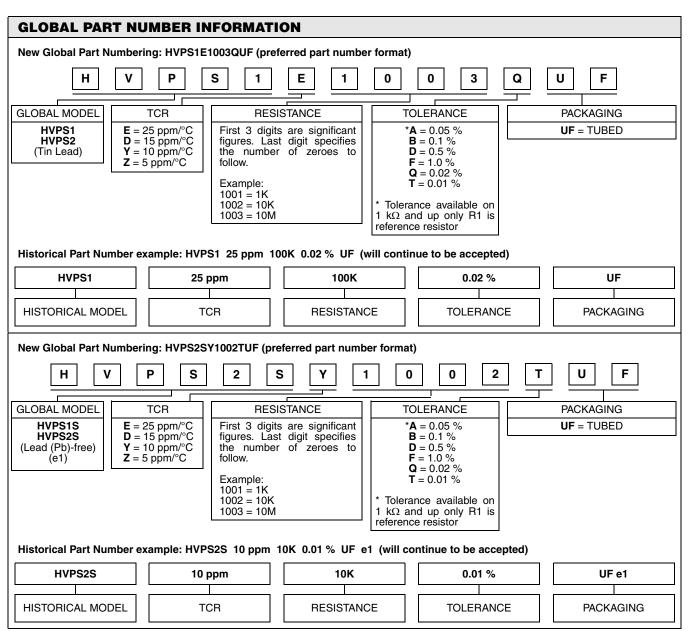


^{*} Pb containing terminations are not RoHS compliant, exemptions may apply

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MECHANICAL SPECIFICATIONS		
Resistive Element	TAMELOX (Passivated Nichrome)	
Substrate Material	99.6 % Alumina	
Body	Ероху	
Terminals	Copper with Nickel barrier	
Plating	SN 60	
Marking Resistance to Solvents	Per MIL-PRF-83401	
Lead (Pb)-free Option	96.5 % Sn, 3.0 % Ag, 0.5 % Cu	
Lead (Pb)-free Finish	Hot Solder Dip	



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