





High Value Precision SIP



FEATURES

 High nominal precision resistors (value range 50K to 10M)



 Highly accurate resistance tolerance (up to ± 0.01 %)

RoHS*

- Conformal coating flame resistant (UL 94 V-) rating
- Ultra low TCR (± 5 ppm/°C)
- High voltage
- Flame resistant (UL 94 V-0 rating)
- High voltage rating to 300 V
- Compliant to RoHS directive 2002/95/EC





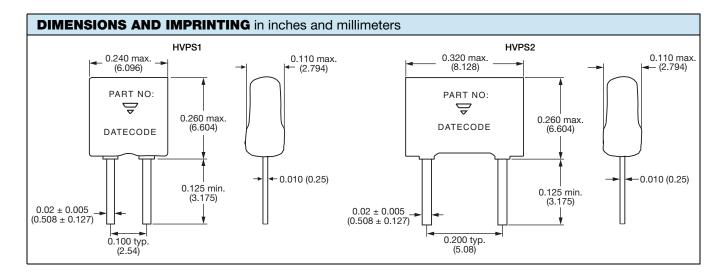
 Precision amplifiers 	
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STANDARD ELECTRICAL SPECIFICATIONS			
TEST	SPECIFICATIONS	CONDITIONS	
Material	Passivated nichrome	-	
Pin/Lead Number	2	-	
Resistance Range	50 000 Ω to 5000 $k\Omega$ (HVPS1)		
nesistance hange	100 000 Ω to 10 000 $k\Omega$ (HVPS2)	-	
TCR: Absolute	5 ppm/°C to 25 ppm/°C	- 55 °C to + 125 °C	
TCR: Tracking	-	-	
Tolerance: Absolute	\pm 0.01 % to \pm 1.0 %	Maximum at + 70 °C	
Tolerance: Ratio	-	-	
Power Rating: Resistor	125 mW (HVPS1)	_	
	250 mW (HVPS2)	-	
Power Rating: Package	-	-	
Stability: Absolute	$\Delta R \pm 0.05 \%$	2000 h at + 70 °C	
Stability: Ratio	-	-	
Voltage Coefficient	< 1.0 ppm/V	-	
Working Voltage	250 V (HVPS1)		
Working Voltage	300 V (HVPS2)	-	
Operating Temperature Range	- 55 °C to + 125 °C	-	
Storage Temperature Range	-	-	
Noise	< - 30 dB -		
Thermal EMF	< 0.1 μV/°C	-	
Shelf Life Stability: Absolute	ΔR ± 0.01 %	1 year at + 25 °C	
Shelf Life Stability: Ratio	-	-	

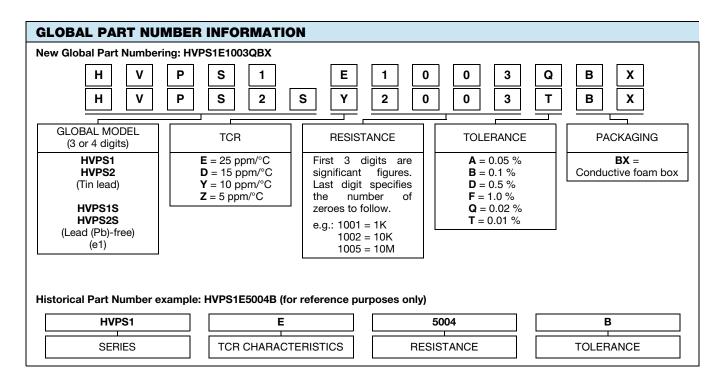
^{*} Pb containing terminations are not RoHS compliant, exemptions may apply

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MECHANICAL SPECIFICATIONS		
Resistive Element	Passivated nichrome	
Substrate Material	Alumina	
Body	Epoxy coated	
Terminals	Copper alloy	
Tin/Lead Option	Sn60 - Sn63	
Lead (Pb)-free Option	Sn96.5, Ag3.0, Cu0.5	
Tin/Lead and Lead (Pb)-free Finish	Hot solder dip	





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