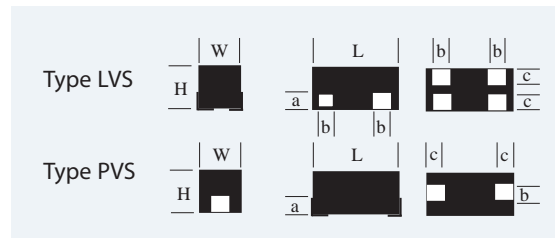


LVS/PVS - CURRENT SENSING

How LVS/PVS Shunts Will Benefit You:

SMD current-sensing to 15 amperes
 Ohmic/voltage drop tolerances to $\pm 0.005\%$
 Values from 1 milliohm to 100K Ω
 TCR Char. 15ppm(Std.) to $0 \pm 10\text{ppm}/^\circ\text{C}$
 Temperature Span -65 to $+275^\circ\text{C}$ (@ 1%)
 (For closer tolerance see Derating Curve (Fig. 3))



ELECTRICAL & PHYSICAL SPECIFICATIONS

PRC TYPE	Max. Watt Amp	PAD LAYOUT 	DIMENSIONS $\pm .787 \text{ MM } (.031\text{'})$								Max. Res. (Ω)	Std. Min. Res. @ Max. Watts
			H mm ins.	L mm ins.	W mm ins.	a mm ins.	b mm ins.	c mm ins.	d mm ins.	e mm ins.		Special Min. Res. @ Derated Watts
PVS1	1W 3A		3.30 .130"	9.14 .360"	3.18 .125"	1.91 .075"	1.91 .075"	2.54 .100"	6.60 .260"		5K	.111 Ω @ 1W .001 Ω @ .009 W
LVS2	2W 8A		6.35 .250"	9.78 .385"	5.72 .225"	3.18 .125"	2.84 .112"	2.54 .100"	4.90 .193"	3.81 .150"	100	.03 Ω @ 2W
PVS2									7.87 .310"			
LVS3	3W 15A		6.35 .250"	12.7 .500"	6.35 .250"	2.54 .100"	2.84 .112"	2.54 .100"	6.99 .275"	4.70 .185"	100	.013 Ω @ 3W
PVS3									10.8 .425"			
LVS5	5W 15A		7.87 .310"	15.88 .625"	7.87 .310"	1.91 .075"	2.84 .112"	2.54 .100"	8.08 .318"	6.10 .240"	100	.022 Ω @ 5W
PVS5									14.0 .551"			

ENGINEERING DATA:

1. RESISTANCE AND TOLERANCES

You can select any ohmic value or decimal part of an ohm from 0.001 Ω to 100K Ω with microhm/microvolt accuracies to $\pm 0.005\%$ see Fig. 2, p.7. PRC's unique "single-joint" design on the four (4) terminal parts makes tab identification academic.

2. TCR CHARACTERISTICS

$0 \pm 15 \text{ ppm}/^\circ\text{C}$ (std.) Please specify temperature span of operation. Add LTC in the part # for TCR $0 \pm 10\text{ppm}/^\circ\text{C}$ to $+150^\circ\text{C}$.

3. STABILITY VS. TIME

to $\pm 0.001\%$ /yr. at 25°C . (no load)

4. PRECISION POWER

Standard Min. Res. @ Max. Watts based upon $\pm 1\%$ resistance tolerances at 25°C . (please see end column above). Derating is required for higher temperatures, closer tolerances and lower resistance values - please see Fig. # 3, on page 7.

5. PROTECTIVE SEAL

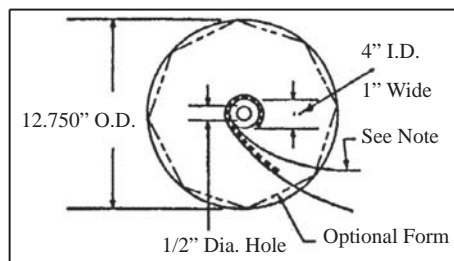
Rectangular solvent-resistant epoxy case offers excellent thermal transfer to base.

6. TERMINALS

Solderable "hot-tinned" pure copper (ETP/OFHC) tab terminals and low EMF construction reduces thermal effects usually associated with low value resistors.

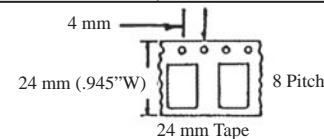
7. SMT "Carrier Tape" PACKAGING

per IEC 286-3 (EIA 481):
Please see Purchasing Information on pg 3.

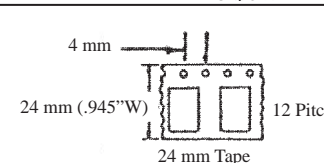


Note: Skin packed to tape with polyfilm

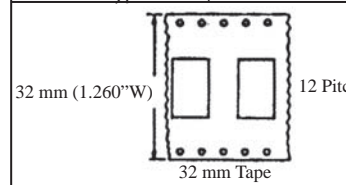
For types: HV51, PRC100T, PTS1, PVS1 & ST35



For types: HV52, HV53, LVS2, LVS3, PTS2, PTS3, PVS2, & PVS3



For types: LV55, PVS5 & HV55



PRECISION RESISTOR CO., INC.

10601 75TH Street North, Largo, Florida 33777-1421 U.S.A.

Tel: 727-541-5771 Fax: 727-546-9515

Email: sales@precisionresistor.com

Web Site: <http://www.precisionresistor.com>