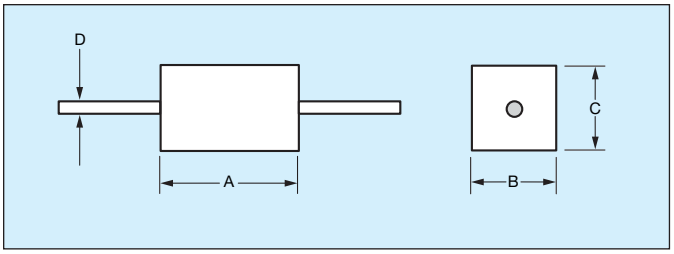
Axial Leads/Mini-Resistor

GENERAL DESCRIPTION

AVX HR Series
Axial Leaded Resistor

Case Material: Plastic Shell

Lead Material: 60Sn/40Pb Solder Plated



Dimensions: Millimeters (Inches)

		Tolerance
A	1.91 (0.075)	±.005
B	0.91 (0.036)	±.005
C	0.91 (0.036)	±.005
D	0.20 (0.008)	±.001

HOW TO ORDER

HR01 — **AVX Style**
HR01

104 — **Resistance**
First two digits are the significant figures of capacitance. Third digit indicates the additional number of zeros.
Example: 2R2 = 2.2Ω
100 = 10Ω
104 = 100,000Ω
106 = 10,000,000Ω

J — **Tolerance**
J = ±5%
K = ±10%

Temperature Coefficient of Resistance

	HR01				
Tolerance	**J** (±5%)		**K** (±10%)		
Resistance Range	10Ω ⌠ 1MΩ	1MΩ ⌠ 2.2MΩ	2.2Ω ⌠ 10Ω	10Ω ⌠ 1MΩ	1MΩ ⌠ 10MΩ
TCR (ppm/°C)	±250	-500 ⌠ +300	-100 ⌠ +600	±250	-500 ⌠ +300

Resistance Ranges

	HR01	
Tolerance	**J** (±5%)	**K** (±10%)
Value Range	10Ω to 2.2MΩ	2.2Ω to 10MΩ

Resistance Ratings for HR01

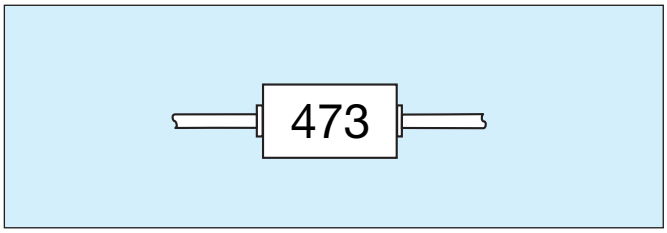
Power	0.063 (1/16) w
Voltage	50V max.
Working	-55°C to +70°C no derating +70°C to +125°C with derating

MARKING (EXAMPLE)

47 x 100^3 = 47000Ω = 47kΩ
0 = 0Ω (Jumper)
100 = 10Ω
102 = 1kΩ
105 = 1MΩ

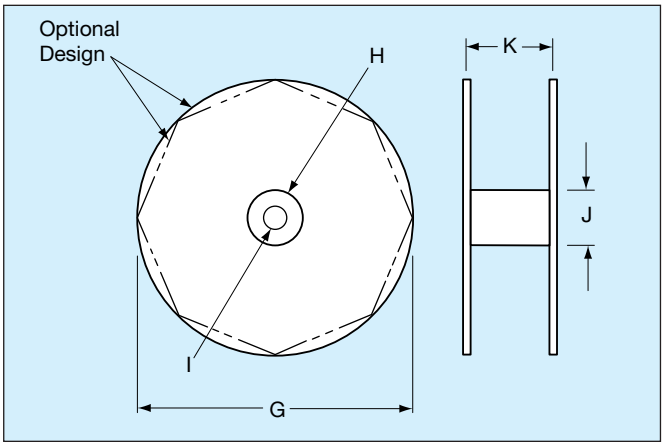
Three Digit Identification Code

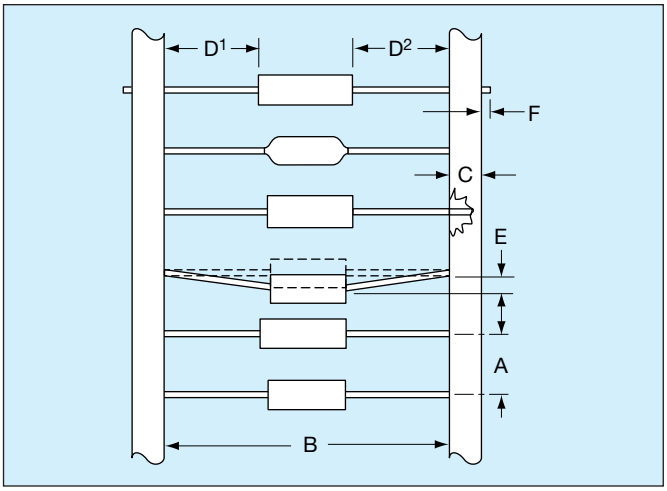
Note: > 225 is K tolerance, ≤ 225 is J tolerance



TAPE AND REEL

CLASS I / RS-296	
A.	5mm ± 0.5mm (.200" ± 0.020")
B*.	52.4mm ± 1.5mm (2.063" ± 0.059")
C.	6.35mm ± 0.4mm (0.250" ± 0.016")
D^1-D^2.	1.4mm (0.055" MAX.)
E.	1.2mm (0.047" MAX.)
F.	1.6mm (0.063" MAX.)
G.	356mm (14.00")
H.	76mm (3.000")
I.	25.4mm (1.000")
J.	84mm (3.300")
K.	70mm (2.750")





Leader Tape: 300mm min. (12")
Splicing: Tape Only
Missing Parts: 0.25% of component count max.- No consecutive missing parts

REEL QUANTITIES (MAX.) ‡

SA05	7,500 pcs.	MA10	5,000 pcs.
SA10	7,500 pcs.	MA20	5,000 pcs.
SA11	5,000 pcs.	MA30	3,000 pcs.
SA20	5,000 pcs.	MA40	3,000 pcs.
SA30	5,000 pcs.	MA50	950 pcs.
SA40	5,000 pcs.	MA60	650 pcs.

‡ 1000 pc. reels available for distribution pack only in ±1% and ±2% tolerance.

* Standard Tape Spacing Shown. Also available in 26.0mm + 1.5mm, – 0mm, (1.023 in. + .059 in. -0 in.) for SpinGuards only. EIA Class I, II and III tape spacings are available for molded axials. Tape spacing for Class II is 63.5mm ± 1.5mm (2.50 in ± .059 in), and for Class III 73mm ± 1.5mm (2.87 in ± .059 in)

ADDITIONAL PACKAGING AVAILABLE

AMMO PACK

Tape Spacing	SA05, SA10 SA20	SA11 SA30	SA40	BOX SIZES (Nominal)		
				L	W	H
52.4mm ± 1.5mm (2.062" ± .059")	4,000 pcs.	2000	2,000 pcs.	255mm (10.039")	73mm (2.874")	93mm (3.661")
26.0mm + 1.5mm - 0mm (1.023" + .059" - 0")	4,000 pcs.*	2000	2,000 pcs.*	255mm (10.039")	48mm (1.889")	113mm (4.448")

*SpinGuard only

BULK PACK (MOLDED AXIALS ONLY)

MA10 MA20 MA30 MA40	100 pcs. (bag)
MA50 MA60	50 pcs. (bag)