

Precision Voltage References Quick Selection Guide

Series Mode Precision Voltage References

Low Power

$I_{SY} < 100 \mu A$

ADR291/ADR292/ADR293	15 μA
REF191/REF192/REF193/REF194/ REF195/REF196/REF198	45 μA
AD1582/AD1583/AD1584/AD1585	70 μA
ADR3412/20/25/30/33/40/45	100 μA

$I_{SY} < 500 \mu A$

ADR127	125 μA
ADR380/ADR381, ADR391/ADR392	140 μA
ADR130	150 μA
ADR360/ADR361/ADR363/ ADR364/ADR365	190 μA
AD680, ADR827	280 μA
ADR287	400 μA

$I_{SY} < 1 mA$

ADR420/ADR421/ADR423/ADR425	600 μA
ADR430/ADR431/ADR433/ ADR434/ADR435	800 μA
ADR4520/ADR4525/ADR4530/ ADR4533/ADR4540/ADR4550	950 μA
ADR01/ADR02/ADR03/ADR06	
AD581/AD584	1 mA
AD780	

Ultraprecision

Tempco $\leq 5 ppm/^{\circ}C$

ADR4520/ADR4525/ADR4530/ ADR4533/ADR4540/ADR4550	2 ppm/ $^{\circ}C$
ADR430/ADR431/ADR433/ ADR434/ADR435	3 ppm/ $^{\circ}C$
ADR440/ADR441/ADR443/ ADR444/ADR445	3 ppm/ $^{\circ}C$
ADR01/ADR02/ADR03/ADR06	3 ppm/ $^{\circ}C$
AD581/AD584/AD586/AD588	5 ppm/ $^{\circ}C$
REF191/REF192/REF193/REF194/ REF195/REF196/REF198	5 ppm/ $^{\circ}C$

Tempco $\leq 10 ppm/^{\circ}C$

ADR3412/ADR3420/ADR3425/ ADR3430/ADR3433/ADR3440/ADR3445	8 ppm/ $^{\circ}C$
REF01/REF02	8.5 ppm/ $^{\circ}C$
ADR361/ADR363/ADR364/ADR366	9 ppm/ $^{\circ}C$
ADR391/ADR392/ADR395	9 ppm/ $^{\circ}C$
ADR291/ADR292	10 ppm/ $^{\circ}C$

Low Noise

Output Noise $\leq 5 \mu V_{p-p}$

ADR4520/ADR4525/ADR4530/ ADR4533/ADR4540/ADR4550	1 μV_{p-p} @ 2.048 V output
ADR440/ADR441/ADR443/ ADR444/ADR445	1 μV_{p-p} @ 2.048 V output
ADR420/ADR421/ADR423/ADR425	1.75 μV_{p-p} @ 2.048 V output
ADR130	3 μV_{p-p}
ADR430	3.5 μV_{p-p}
AD780	4 μV_{p-p}
AD587	4 μV_{p-p}
ADR380/ADR381	5 μV_{p-p}

Shunt Mode Precision Voltage References

AD589	10 ppm/ $^{\circ}C$
AD1580/AD1581	50 ppm/ $^{\circ}C$
ADR510/ADR512/ADR525/ ADR530/ADR550	70 ppm/ $^{\circ}C$, low noise
ADR5040/ADR5041/ADR5043/ ADR5044/ADR5045	75 ppm/ $^{\circ}C$
ADR1500	220 ppm/ $^{\circ}C$