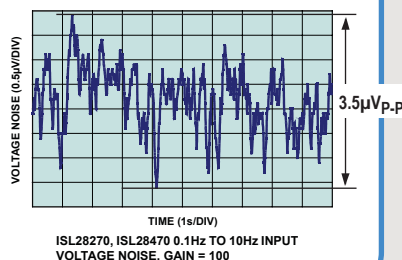


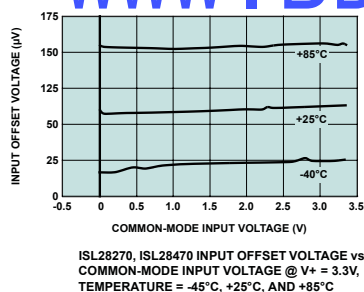
The Industry's First Low Power, Precision Quad RRIO Instrumentation Amplifier

Intersil's **ISL28470** quad RRIO instrumentation amplifier features less than $150\mu\text{V}$ V_{OS} , $84\mu\text{A}$ I_{SS}/Amp , and $3.5\mu\text{V}_{P-P}$ noise all in the small 28 Ld QSOP.

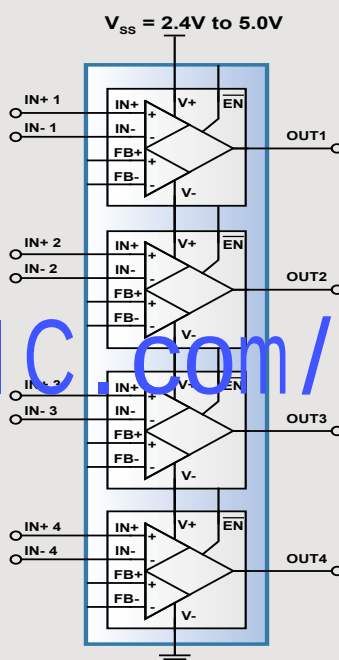
Very Low Input Noise



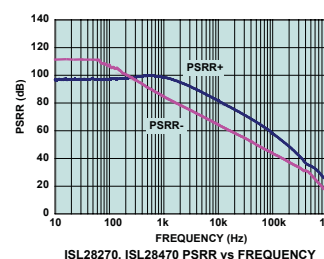
Constant V_{OS} Over Common Mode



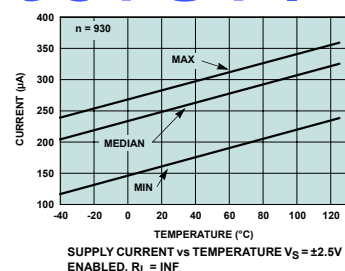
ISL28470 28 Ld QSOP



Super PSRR



Low Power



Intersil's Precision Instrumentation Amplifier Family

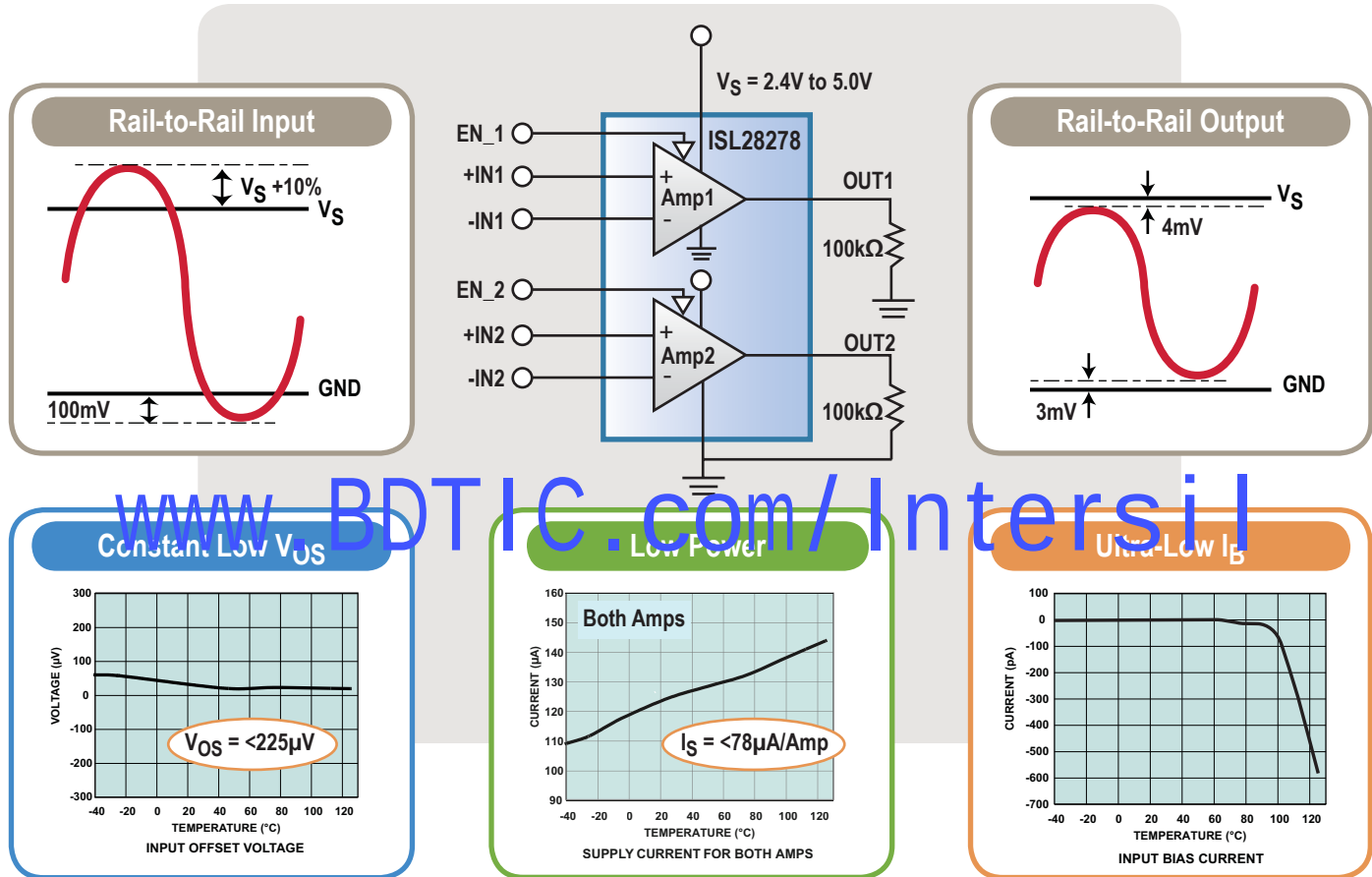
Part Number	Amp/Pkg	Input Stage	V_{OS} (max) (μV)	I_B (max) (nA)	Min. Gain (V/V)	GBW (kHz)	I_{SS} (max) ($\mu\text{A}/\text{Amp}$)	Package
EL8170	Single	PNP	250	2	100	192	78	8 Ld SOIC
ISL28270	Dual	PNP	150	2	100	240	78	16 Ld QSOP
ISL28470	Quad	PNP	150	2.5	100	240	84	28 Ld QSOP
EL8172	Single	PMOS	300	0.2	100	170	78	8 Ld SOIC
ISL28272	Dual	PMOS	500	0.03	100	100	78	16 Ld QSOP
EL8173	Single	PNP	1000	2	10	396	78	8 Ld SOIC
ISL28273*	Dual	PNP	TBD	TBD	10	230	78	16 Ld QSOP
EL8171	Single	PMOS	1000	0.2	10	450	78	8 Ld SOIC
ISL28271	Dual	PMOS	600	0.03	10	180	78	16 Ld QSOP

* Coming Soon



Dual Low Power, Single Supply Precision Op-Amps

Intersil's **ISL28278** features low input offset voltage, low input bias current, and low power performance.



Intersil's Low Power Precision Op-Amp Family

Part Number	Amp/Pkg	Input Stage	Enable	V_{OS} (max) (μ V)	I_B (max) (nA)	GBW (kHz)	I_{SS} (max) (μ A/Amp)	Status	Package
EL8176	Single	RRIO	Y	100, 350	2	400	75	Released	6 Ld SOT-23, 8 Ld SOIC
ISL28276	Dual	RRIO	Y	100	2	400	78	Released	16 Ld QSOP
ISL28476	Quad	RRIO	Y	100	2	400	78	Sampling	16 Ld QSOP
ISL28286	Dual	RRIO	Y	600	2	400	78	Released	10 Ld MSOP
ISL28486	Quad	RRIO	Y	600	2	400	78	Sampling	16 Ld QSOP
EL8178	Single	RRIO	Y	100, 400	0.0015	400	75	Released	6 Ld SOT-23, 8 Ld SOIC
ISL28278	Dual	RRIO	Y	225	0.03	400	75	Released	16 Ld QSOP
ISL28478	Quad	RRIO	Y	225	0.03	400	75	Sampling	16 Ld QSOP
EL8188	Single	RRIO	Y	4000	0.075	250	75	Released	6 Ld SOT-23
ISL28288	Dual	RRIO	Y	1500	0.03	300	78	Released	10 Ld MSOP
ISL28488	Quad	RRIO	Y	1500	0.03	300	78	Sampling	16 Ld QSOP

